AND THE MILLING ENGINEER.

Sixteenth Year.-No. 6.

MILWAUKEE, JUNE, 1891.

Subscription Price \$1.00 Per Year.

F. P. MANN.

MILWAUKEE · BAG · COMPANY,

COTTON, PAPER AND JUTE

FLOURSACKS

Grain Bags, Twines, Centals, etc.

TELEPHONE No. 427.

236 East Water Street.

MILWAUKEE, WIS.

ESTABLISHED 1846.

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Merchant Millers

Capacity 2,000 Barrels Per Day.



MILWAUKEE, WIS.

Manufacturers of Choice Minnesota and Dakota Hard Wheat Flour.

*** RYE+FLOUR

By most approved roller process, guaranteed the best and purest rye flour manufactured-WE INVITE CORRESPONDENCE FROM CASH BUYERS



NOW OUT SEND FOR IT

NEW Illustrated Catalogue and Price List of the

RICHMOND

AND DUSTERS

Contains full description and cuts of all our late improved machines.

RICHMOND MANUFACTURING CO.

LOCKPORT, N. Y., H. S. A.





Tre you in it?

We guarantee a saving of 25 to 50 per cent in the cost of lubrication where our . .



Compression Grease Cups

and Badger Lubricants are used.

SPECIALTIES:

Fine Cylinder and Engine Oils. Extra Roller Mill Oil, Magnolia Babbitt Metal Mill Greases,

and Cotton Waste.



OIL & GREASE

MILWAUKEE, WIS. AND SEATTLE, WASH.

Correspondence Solicited.

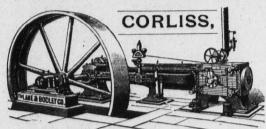


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Largest and Smallest Wheels

JAMES LEFFEL & CO. SPRINCFIELD, OHIO.

LANE & BODL



eel Boilers, Feed Water Heaters, Shafting, Pulleys and Gearing.

THE LANE & BODLEY CO., cor. John & Water Sts., CINCINNATI, O.



BRANCH HOUSE, 1425 EAST MAIN ST., RICHMOND, VA.



. . . THE . . .

The most Compact, Durable, Best Sheller and Best Cleaner.

Takes up but little room, runs at low rate of speed, requires no attention. It is in every respect the

Best Sheller ever offered to the Public.

Please mention this paper. Write for full particulars to

ON IRON WORKS, - DECATUR, ILL.

Mfrs. of "Western" Shellers, Cleaners, Separators, and all kinds of Elevator Machinery.

A MATCHLESS RECORD!

This Line of Machinery is Used by a Great Majority of the Largest, Best and Most Profitable Mills in America,

AMONG WHICH ARE THE FOLLOWING:

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Duluth Imperial Mill, - - 3,000 bbls.

Duluth, Minn.

*

Washburn-Crosby Co., - - 9,500 bbls. Minneapolis, Minn.

*

Pillsbury-Washburn F. M. Co., 14,500 bbls. Minneapolis, Minn.

*

Jewell Milling Co., - - - 1,500 bbls. New York, N. Y.

8

Galaxy Mill Co., - - - 1,500 bbls. Minneapolis, Minn.

*

Cataract Mill, - - - 750 bbls.
Minneapolis, Minn.

8

Daisy Roller Mill Co., - - 1,500 bbls. Milwaukee, Wis.

*

Sumner & Stewart, - - 2,000 bbls. Staten Island, N. Y.

*

Union Mill Co., - - - 2,500 bbls. Nashville, Tenn.

(*)

Lake of the Woods Mill, - 1,500 bbls. Kewatin, Ont.

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Colorado M. & E. Co., - - 2,500 bbls. 10 mills, Denver, Col.



THE RELIANCE SIEVE SCALPER

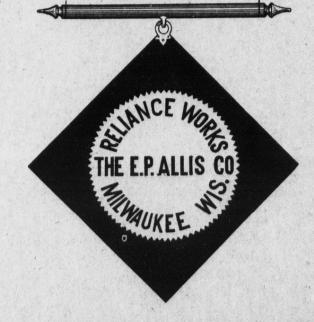
GRAY'S PATENT FLOUR DRESSER

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GRAY'S IMPROVED CENTRIFUGAL REEL

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GRAY'S PATENT NOISELESS
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*

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Jones & Company, - - - 2,500 bbls. New York.

*

Listman Mill Co., - - - 1,000 bbls. LaCrosse, Wis.

*

Model Mill Co., - - - 1,000 bbls. Nashville, Tenn.

8

Mountain City Mill Co., - 800 bbls. Chattanooga, Tenn.

*

Thompson Milling Co., - 500 bbls. Lockport, N. Y.

*

Moseley & Motley Milling Co., 600 bbls. Rochester, N. Y.

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L. M. Godley & Co., - - 250 bbls. Scottsville, N. Y.

THE EDW. P. ALLIS COMPANY

Flour Mill Builders and Furnishers,

RELIANCE WORKS,

MILWAUKEE, WIS.



Sixteenth Year.—No. 6.

MILWAUKEE, JUNE, 1891.

Subscription Price, \$1.00 Per Year.

THE TRACING BUREAU.

HE Executive Committee of the Millers' National Association have issued the following circular to all members:

MILWAUKEE, Wis., June 15, 1891. DEAR SIR:-At the recent Annual Convention of the Millers' National Association, held at New York City, May 11, 12, and 13, the subject of the so-called "Millers' League" or "Tracing Bureau," was taken up for discussion, resulting in the adoption of a resolu-"That the formulation of a 'Millers' Tracing Bureau' be referred to the Executive Committee, with power to put the same in operation as early as practicable, it being understood that the expense of conducting said Bureau shall be borne by its patrons." In compliance with this resolution, the Executive Committee has prepared a plan, which is submitted herewith. As a preface, your attention is called to the fact, that, so far as all former plans for the organization of a Tracing Bureau, (proposed by the Executive Committee of this Association December 20, 1890, and submitted, first by Mr. A. M. Bailey, and subsequently through a circular issued by the Association, January 25, 1891,) are concerned, the same are dropped, and the plan as herein outlined substituted, and will be put into immediate operation. It is hoped that the subscriptions heretofore made by the members of the Association to the guarantee fund will now be renewed and considered binding.

It is proposed to form an organization to be known and styled as "The Millers' Tracing Bureau," which shall be managed by the Executive Committee of the Millers' National Association, the function of which shall be, to trace and hurry to destination shipments of flour made by members who may join this

sub-organization.

Any member of the Millers' National Association may become a member of the Millers' Tracing Bureau, by signing an application, in which agreement is made to subscribe to the guarantee fund, for the support of said bureau, a sum not less than \$10 per unit, of one hundred barrels, of the daily capacity of the mill or mills owned, controlled or operated by the applicant; such guarantee to be payable in such amounts, and at such times as the Executive Committee may direct. Provided, that such application shall be approved by the Executive Committee.

The expense of operation of the bureau shall be borne by its members. A fee per sack, or barrel, will be charged for the service furnished, and monthly statements of accounts rendered, to be followed by sight draft.

It is believed that the patronage secured will make the Bureau self-supporting from fund, to be used for purchasing stationery thoroughly dried. and supplies; which amount may be returned to subscribers at a later date.

The Bureau will be conducted under the direction of the Executive Committee, until the next Annual Convention of the Millers' National Association is held, at which time a convention of the members will be called, and if desired, the organization may be perfected by adoption of a constitution and by-laws, and election of officers to manage the affairs of the sub-organization.

For the present, the service of the Bureau will be confined to tracing export flour shipments. The charge to be made for such service to be one-sixth of one cent. for 140-th sacks, and one-fourth of one cent. per 280-th sack or per barrel, on all shipments reported for tracing.

Upon acceptance of an application for membership, the member will be supplied with suitable blanks to be filled out complete, giving all information required thereby, which should be promptly forwarded to the Secretary of the Millers' National Association. The information thus given to be held and treated as strictly confidential. At the start, a representative will be placed at New York City, who will have assistants at important sea-ports of the United States. adhesiveness, it is rolled up tightly, state of the atmosphere. It is first both receiving and discharging points.

Upon receipt of advice of a shipment to be traced, the Secretary will at once report the shipment to the Representative at the seaboard, who will be on the lookout for the shipment, and upon arrival, see that prompt

transfer is made to the steamship, and report any and all delays that may occur.

Should there be a delay at the sea-board which our Representative there may be unable to promptly overcome, an effort will be put forth from headquarters to correct the matter, and all members of the organization will be promptly advised of such troubles, in order that they may avoid shipping via routes which do not furnish proper and prompt service. As the requirements and patronage of the Bureau warrant, its field of operation will be enlarged, and agents will be placed at other important freight transfer points, such as Buffalo, Toledo, Chicago, St. Louis, etc. After successful operation in tracing export business, the Bureau may extend its action to the field of domestic shipments.

An arrangement has been made with an efficient and experienced man, to represent the Bureau at the sea-board, and as soon as the proper blank forms can be prepared. (probably within the next two or three weeks) it will commence operation; under this plan we can start with a smaller guarantee fund than we have heretofore thought necessary.

Every member of the Millers' National Association who is exporting flour, is invited and urged to join in this important movement. Enclosed herewith you will find a blank application and subscription to the guarantee fund. Please sign the same and return to the Secretary of the Millers' National Association at once. You will then be advised as soon as the Bureau is in readiness to trace your shipments.

We predict that the result of this movement will be of inestimable benefit to members, and trust that sufficient enterprise may be shown by the members of the National Association to insure its ultimate success.

By order of the Executive Committee,

FRANK BARRY, Secretary.

[Written for the United States Miller and Milling Engineer.]

MACARONI.

HIS article of food, the manu-

semi-translucent varieties of wheat, grown in warm countries, which contain a large proportion of gluten, are used in the form of semoule; for the cheaper grades, common flour is used. Any intermediate grade can be made by mixing the two in various proportions. It is an article of daily household production in a large proportion of Italian families, the necessary articles therefor being very simple—a smooth board, a piece of marble for kneading and a common rolling-pin. The houseof flour is mixed with four or five eggs, and then rolled very thin with the allow a circulation of air. rolling-pin. After drying on the

are operated by steam power. They generally buy wheat and prepare semoule and flour, not only for their own use, but for the market. The largest Macaroni factory in Rome has four steam boilers, 7 feet in diameter, and a Compound Corliss engine. Being thoroughly cleaned, the wheat, in this factory, passes through ten successive pairs of rollers, each pair being grooved smaller than the preceding pair, before it is crushed into the proper degree of fineness for semoule. The semoule must be hard, strong, granular and entirely free from dust or flour. When the quality is right, the Macaroni made from it can be boiled an hour without losing its shape or becoming soft. From the floor above two measuring spouts run to each mixer, so that the quantity of semoule in each charge is uniformly the same. Hot water having a small quantity of saffron in solution is added, the quantity being accurately measured for each charge.

From the mixer the dough is taken to the kneader, where it is well kneaded. facture of which may be con- The bed of this machine revolves sidered the chief industry of slowly and the wooden bar above it is south Italy and Sicily, requires neither worked up and down on the dough. great means or skill in its production. The dough is still further kneaded by Macaroni is the semoule or flour of being passed a number of times through wheat moistened with water, in the a pair of rollers which are geared so as proportion of 16 pounds of water to 30 to automatically reverse their direction pounds of flour, kneaded until it as- as soon as the charge has passed sumes the requisite consistency, cut or through either way. The dough is and charged, ready, in its turn, to be revolved into its place in the press.

The presses are operated by hydraulic power, the pressure being 3,600 pounds the die, according to the length required, cut it into any desired length.

hold process is as follows: One pound drying rooms. The small and fancy-

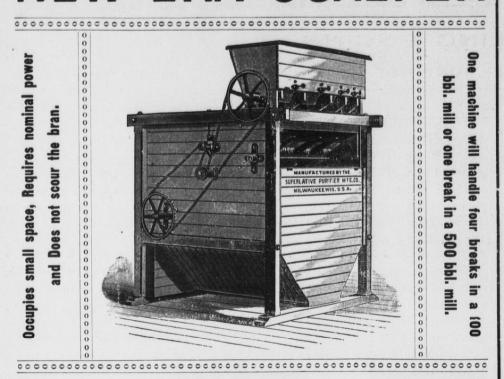
and thin slices are cut from the ends. dried in the open air, whether in the The slices, falling apart, constitute sun or shade depending on the temperstrings of Macaroni, and are ready for ature and dryness of the atmosphere. use. Thousands of small factories are The time depends on the size of the scattered throughout Italy, and are macaroni, from half an hour to three operated entirely by hand. The pro- hours. It is then carried to a close prietor, with one or two workmen, make damp room to rest, where it remains the Macaroni, and the wife sells it. perhaps twenty four hours. The room The machinery is inexpensive and the is kept sufficiently damp by small hired labor costs from 30 to 70 cents steam jets or by the evaporation of per day, according to locality. Their water. This rest is a retarding process, machinery generally consists of a mixer, and is intended to prevent the surface a kneader and a press. The large of the Macaroni from drying too fast, establishments are furnished with the as it naturally would, and to allow the most approved modern machinery and the interior to harden. When properly rested, it is carried to large, spacious rooms that have thorough ventilation, either natural or artificial. For export, Macaroni is packed in cases containing 244 pounds.

THE VESSEL MUST PAY FOR SHORTAGE.

UFFALO vesselmen do not relish a decision just rendered by the Court of Appeals of the state of New York. In the fall of 1889 the steamer R. R. Rhodes fell short 820 bushels on a wheat cargo from Duluth. The shortage was charged to her and her owners sued to recover it. The case was tried before the Superior court at Buffalo and a verdict gives for defendant. Plaintiff carried it into the Supreme court, which affirmed the verdict. Then it was appealed to the highest court in the state and again the verdict against the vessel has been affirmed. This is the first time a shortage case has been decided by the Court of Appeals. It is a well-known fact that grain in

transit absorbs moisture to a more or less extent, depending, presumably, on the state of the weather, and consequently, should, at its destination, exceed in weight what it was on being received aboard a vessel. The deduction therefore is, that in case of shortage at point of delivery, either an error was made in weighing from elevator to the vessel, at point of shipment, or a similar error in transferring from vessel for but a small proportion of the guarantee pressed into the desired shape and now ready for the presses. These have to elevator at point of delivery, or that double cylinders, revolving on a central short weight was given at either point For the best Macaroni, the hard, pivot, so that while one cylinder is in from some cause, intentional or otherposition the other is free to be cleansed wise. It is not reasonable to infer that any quantity of grain could be abstracted from a vessel's cargo while in transit and shortage could not occur from leakage, as it possibly might from cars, and to the square inch. The small and we can conceive of no other cause than fancy-shaped Macaroni is made in that stated. The shortage in this case horizontal presses. Cutters revolving was very large and we are informed more or less rapidly near the face of that shortage of any amount is quite unusual, the result, generally, being an overplus of small amounts, as it, From the presses the long Macaroni undoubtedly, in the nature of things, is carried on light bamboo sticks to the should be, in which case the vessel owners profit thereby. Such being the shaped are dried on screens, consisting case, that is, if vessel owners receive moistened with water at 160 degrees of wooden frames about 2x6 feet, the benefit of whatever the surplus Fahrenheit, kneaded a few minutes covered with a course cloth so as to amounts to, they should, certainly, be required to furnish the full amount The drying of the Macaroni is the called for by the bill of lading, and to kneading board for some 15 or 20 most difficult and delicate part of the that end should by proper means insure minutes until the surface loses its manufacture and depends much on the to themselves a correct weighing at "We are only sorry we did not place one in a year ago"

Don't put off buying the machine referred to. Every day will add to your regret that you also have not put in a



PRICES LOW

RESULTS GUARANTEED

TRIAL ALLOWED.

NEW PHILADELPHIA, O., March 9, 1891.

SUPERLATIVE PURIFIER MFG. CO., Milwaukee, Wis.:

Gentlemen-We started the Scalper the 7th, and it is giving good satisfaction. can see quite a difference in the color of our flour, and are making more middlings than we did with our old reels. We are only sorry that we did not place one in a year ago. J. & O. C. JUNKINS. Yours truly,

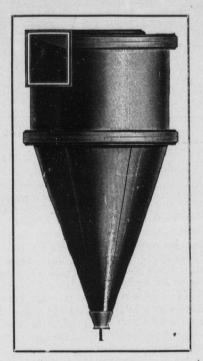
> *** FOR CATALOGUE, PRICES, ETC., ADDRESS

SUPERLATIVE PURIFIER MFG. CO.,

MILWAUKEE, WIS.

VORTEX DUST COLLECTOR

WELL BUILT AND FINISHED. GUARANTEED TO DO FIRST-CLASS WORK, AND TRIAL ALLOWED. PRICES LOW.



FULLY COVERED BY PATENTS. IT INFRINGES ON NO OTHER MACHINE, AND WE GUARANTEE EVERY USER AND PURCHASER AGAINST SUITS.

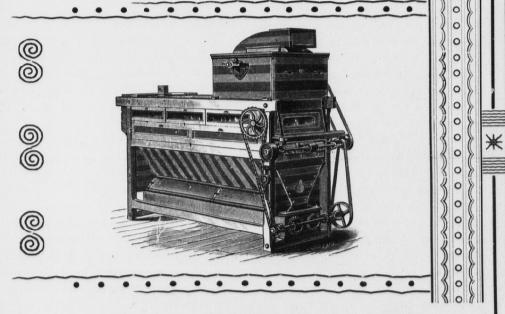
Thousands in use in all parts of the country on Purifiers, Grain Cleaners and other dust producing machines.

.

FOR CIRCULARS, PRICES, ETC., ADDRESS

VORTEX-DUST-COLLECTOR-CO.,

MILWAUKEE, WIS.



A FIRST-CLASS MACHINE, AT LOW PRICES.

Guaranteed to do as good work as any Purifier on the market.

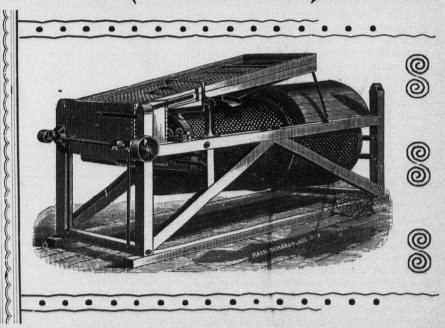
WELL BUILT AND FINISHED.

Trial Allowed. Thousands in Use.

FOR CATALOGUE, PRICES, ETC., ADDRESS

MILWAUKEE, WIS.

The Superlative Purifier | The Kurth Cockle Separator



F you want a Cockle Separator, write us. We can satisfy you both as to style and price. We build machines with reel or shaking graders, and with steel or zinc cylinders, as desired. Also in connection with Richardson's Dustless Oat Separator Attachment.

PRICES GREATLY REDUCED.

WE are manufacturers of Perforated and Indented Metal, and solicit orders for anything in this line, which we can fill promptly.

FOR CATALOGUES, PRICES, ETC., ADDRESS

MILWAUKEE. WIS.

NITED STATES MILLER AND THE MILLING ENGINEER.

E. HARRISON CAWKER, EDITOR.

PUBLISHED MONTHLY. OFFICE, NO. 124 GRAND AVENUE, MILWAUKEE. SUBSCRIPTION PRICE-PER YEAR, IN ADVANCE.

[Entered at the Post Office at Milwaukee, Wis., as lail matter of the second-class.]

MILWAUKEE, JUNE, 1891.

We respectfully request our readers when they write to persons or firms advertising in this paper, to mention that their advertisement was seen in the UNITED STATES MILLER AND THE MILLING ENGINEER. You will thereby oblige not only this paper, but the ad-

THE Pennsylvania Millers' Associa-I tion will meet in the Logan House, Altoona, Pa., Sept. 9, 1891.

THE European excursionists have I had a grand time of it visiting the foreign cousins, according to reports printed in the British papers. The first section of the party sailed for home on June 3d, and the later contingent on the 10th.

WE have received and read with interest a pamphlet written by Harry P. Robinson entitled "Our Railroads." It is an able essay and we wish it could be read generally, especially by that class of people who are "agin the railroads anyway" good or bad.

CTATISTICS show that 400,000 immigrants have arrived in this country during the past ten months, and close observers at the ports of entry are despotism against constitutional liberty of the opinion that the general char- for race antagonisms as against interacter of this influx of population from national amities; for war against peace. foreign sources is less desirable than in former years. The question which stares our people in the face is, "What are we going to do about it?" Certainly her vast numerical resource, is the no undesirable immigrant should be admitted to American citizenship, but there is still room for industrious, lawabiding foreigners.

1st issue, contains a lengthy report her mission among the nations." of the visit of the party of American millers, reporting verbatim the toasts and responses at banquets given at Tarbet and Richmond.

In speaking of the personnel of the party THE MILLER says: "Our transatlantic visitors include forty-eight millers, whose pilgrimage is shared by Edgar * * * although no patriarch in Oh! papa Willie! father. will be pleased!

perfected plans for the organization of great importance and any plan tending a flour tracing bureau, and will submit toward the regulation of shipping the same to the members by a circular facilities should be furthered. Most this issue. It is intended to confine Britain are on through bills of lading, the action of the bureau for the present direct from the American miller to the to tracing and hurrying forward export shipments, and arrangements have in .1890, of 29,226,863 cwt. of wheat been made with a competent represen- and flour, 12,025,800 cwt. was shipped ficient guarantee fund has already been letter of the Flour Trade Association, subscribed to insure the inauguration that the American railroads, practically of the enterprise, we are informed; what it should be from the start. If ously hampered and the result is in- savings are invested, and what? own underwriting.

efit to be derived from the organiza- as a large discount in price has to be In either case a certain amount of tion of this sub-association, they deserve allowed the buyer on account of the to suffer the impositions and hardships risk taken. These grievances are at the hands of transportation lines, regarding which they have so long bitterly complained. We hope that every exporter of flour will put his shoulder to the wheel, and heartily support the proposed tracing bureau.

HE announcement is made under date of June 6th, by E. L. Burdick & Co., publishers of The Roller Mill, that the "Honest Miller," heretofore published by Mr. Geo. B. Douglas, of Silver Creek, N. Y., has been purchased, and will hereafter appear as "a special department" of The Roller Mill. The "Honest Miller" doubtless found life to be a burden in a field where there is so little to be "funny" about. It was too young to be much missed, and, taken all in all, perhaps the world will be better for its having died.

By combining an amusement feature with its many excellent qualities, The Roller Mill will add to its growing popularity, and possibly be able to still further counteract the baleful influences of Buffalo's "open sewer."

N English editor of a New York A daily thus arraigns Russia the land of the despot and the serf:

"Russia is the curse of modern civilization; the negation of its spirit, the counteractant of its intellectual forces; the embargo on its social advance; the antagonist of its political progress. She stands for ignorance as against intelligence; for class against mass; for autocracy against democracy; for absolute Her highest conception of national greatness is the organization of armed brute force. The chief end of her gov ernment, her commerce, her wealth creation of military power. She exists to oppress, to repress, to aggress, to invade, to destroy. She stands out among the European nations as the one country that effectively confronts the elevating forces of modern progress with THE MILLER of London in its June brute resistance. That is her function,

MONG the reports of our consular A representatives in the April volume of the State Department Consular Reports is a most important communication sent by Consul-General John C. New, of London, bearing date February 10, 1891. The communication contains eleven ladies and two children. Willie a letter received from the London Flour Trade Association by Mr. New respectyears, may, in one sense, be called its ing the shipment of flour direct from Mother mills in the United States to the United Kingdom, also a copy of Bill of Lading justifiable means. Let the world know given on a through shipment of flour what business they are in and by their Millers' National Association has Aug. 25, 1890. The export trade is of English dealer. Out of a total export, though it is hoped that the movement ing to the bill of lading given to upon its feet and enable it to be made that the trade generally is most seri- to the investor, that the accumulated tunity to enjoy the privilege of their

brought to the notice of the Consul-General, with a view to his embodying the facts in his report to this Government and with the hopes that its assistance may be enlisted and the abuse remedied.

WE are pleased to see that our Government, through its Commissioner of Labor, is properly interested in industrial and manual training schools, as is evidenced in the fact that inquiries of an extensive nature are being made as to the results obtained We have advocated the thereby. establishment, in this country, of flourmilling colleges, wherin young people may be taught, as far as possible, the theoretical and practical requisites of this very important branch of the country's manufacture. Actual experience in a regular flouring mill is a good educator to the business, but the fact is, that the knowledge which would be readily imparted to pupils, by tutors in an established public college, would be withheld to a more or less degree by head-millers in private establishments, on the principle that such matters were not included in their duties, as they are employed to operate the milling machinery according to the best of their knowledge, obtained through experience and observation, and not to impart to others such knowledge as would make for them competitors and probably cause their displacement or, on account of surplus of obtainable ability, cause a reduction in the remuneration received. regularly established colleges, where professors are engaged and paid for instilling knowledge, and who naturally and Stillwell & Bierce Manufacturing take pride in producing exceptional Co. of Dayton, Ohio. These Mechwart examples of their ability in that direction, such excuses would not exist, and create considerable disturbance in the we hope to see the time when a college milling world, but it is said that, owing of milling, on an extensive scale, will to lack of sufficent funds to combat with over 100 students.

"TOO many irons in the fire" has been the cause of the downfall, financially, of many who otherwise might have succeeded. Persons doing a reasonably paying business, which, practical knowledge, they thoroughly understand, should adhere to that to the exclusion of all unnecessary "side issues". Improve it by all THE Executive Committee of The from Minneapolis, Minn., to London, action in conducting such business convince all with whom dealings are had, that all transactions are conducted upon a basis founded on true knowledge and integrity. Avariciousness is the letter, a copy of which we publish in of our shipments of flour to Great cause, in most cases, of persons undertaking to carry on two, three and often more separate and distinct branches of business at the same time. Success in the original undertaking has probably enabled the laying aside of a few tative to act at the sea-board. A suf- in this form. It is claimed, in the hundreds or perhaps thousands of dollars, and an opportunity presents itself, through the glowing representaacting as common agents, and accord- tions of interested party or parties, where this "nest-egg" can be made to may receive general support from all shippers, having made no contract with bring in additional dividends to that follow litigation as suggested by the members of the National Association, a time limit, take any time, from four already being realized from present above circular. Millers who have preand that sufficient enterprise will be to sixteen weeks to get the flour to its business, and the picture is so well ferred to insure themselves against evinced in signing the guarantee fund destination, and the terrible irregularity word-painted, the result so well assured, evinced in signing the guarantee fund destination, and the terrible irregularity word-painted, the result so well assured, small fee necessary for membership in required, to put the bureau squarely of the service has reached such a pitch independence, as to wealth, so certain the "National," may have an opportunity for the trade generally is most seried to the investor that the account of the service has reached such a pitch independence, as to wealth, so certain the "National," may have an opportunity for the service has reached such a pitch independence, as to wealth, so certain the "National," may have an opportunity for the service has reached such a pitch independence, as to wealth, so certain the "National," may have an opportunity for the service has reached such a pitch independence, as to wealth, so certain the "National," may have an opportunity for the service has reached such a pitch independence, as to wealth, so certain the "National," may have an opportunity for the service has reached such a pitch independence, as the service has reached such as the serv

millers do not appreciate the great ben- jurious to American millers, inasmuch Possibly good results and possibly not. mental work is entailed, either to the detriment of the original business, or to additional strain on the brain capacity. And this in hopes of attaining the coveted goal more speedily. But the ultimatum is never reached. Though, in case of success, a point is marked out, when attained, the desire is not satisfied and a higher standard is planted, to be again advanced in due time, while in case success of the new venture depending on financial aid being represented, the chances are that in order, as is supposed, to save what has already been advanced, the original business is crippled to provide a crutch for the forthcoming bonanza, which in the end, probably falls helpless and carries with it what might otherwise have stood. Let well enough alone.

> THE accompanying circular is being scattered throughout the land:

MILLS BUILDING, 38 Wall Street, New York, May 1, 1891.

New York, May 1, 1891. {
DEAR SIRS:—I beg to call your attention to the following claim contained in Letters Patent of the United States, granted to Andreas Mechwart of Buda Pesth, Hungary, for an Improvement in Mills for Grinding Grain, to-wit:

"In a mill for grinding grain or other material, a pair of chilled east-iron cylinders, the surface of which are obtiquely grooved in the same direction in combination with mechanism for revolving both rollers at different speeds, substantially as set forth."

set forth."

The majority of all the roller mills in use in the United States contain pairs of rolls constructed and designed to operate as described in the above quoted claim You will observe that, if such rolls are in use in your roller mills, they infringe the claim quoted from the above patent.

As it is not designed to interfere with the business of those who are using such rolls, you, among others, are requested to make settlement for the infringement by payment of royalty upon all pairs of rolls now in use in your mill.

It is the intention of the owners of the Mechwart patents to deal leniently with those who will voluntarily make a settlement; otherwise suits will be begun to restrain the use of such rolls, and for damages.

For the information of the trade generally I would

damages.
For the information of the trade generally I would state that suits have been begun against the Consolidated Roller Mill Company, through The John T. Noye Manufacturing Company of Buffalo, and other suits will shortly follow. Respectfully, GEORGE H. BENJAMIN.

We are informed that suits have been entered under the above mentioned patents, against the John T. Noyes Manufacturing Co. of Buffalo, N. Y., patents bade fair some years ago to be established in this country, as they the organized body of millers, action in now are in Germany and France. A the matter was deferred. Whether the college of milling in Paris, France, present owners of the patents are prebut lately established, now contains pared to furnish the necessary amount of money, which will be called for by litigation so extensive as these suits must necessarily be, or not, is a question, but they seem to be putting on a bold front, and we should not be surprised, if in the near future, there would be "music in the air." Millers who have refrained from joining the Miller's National Association, because they "cannot appreciate the benefits to be derived from membership in any direction except in that of patent litigation, and because all seemed quiet in the field of patents," are liable to find that the "Old National" is of inestimable value to those who have remained within its ranks.

The Executive Committee of the National Association, appreciating the value of agreements, which would insure protection to their members from roller mill litigation, secured a cast-iron bond, executed by the four firms which compose the Consolidated Roller Mill Co., which bond is in the sum of \$100,000, and binds those manufacturers to provide defense, and secure from all harm, all members of the National Association, who may purchase and use their roller mills. This bond will save the members from all expense and trouble, which may

CORRESPONDENCE.

[The following letters are all from our own specia correspondents, and reflect their views and the view of the trade in the location from which they write.]

OUR LONDON LETTER.

The Weather-Advance in Price of Bread-Result of an Advance in Bread 100 Years ago-The American Millers-Steam Flour Mills at Pekin, China-France Alarmed at Shortage of Wheat.

URING the month of May the weather has been most unseasonable; the country generally being visited with hard frosts at night, and snow and hail storms during the day, with the result that the wheat plant has gone off color and is often thin on the ground besides being universally of backward growth. Such harvest prospects at the end of the month of May kept the high prices of a month ago at about the same level, in spite of the quantity of Indian wheat that is being sent to this country. The average price of wheat for the first week in May was the highest since 1883, and this had the result of making bread 2½d. per gallon dearer in many districts of the country. Happily the result of higher prices is not so serious as it would seem to have been rather more than one hundred years ago, for according to the Universal Magazine of Knowledge and Pleasure, bearing the date Aug. 26th, 1766, when the result of a similar rise in the price of wheat, was as fol-

"We hear from Newbury, in Berkshire, that on Thursday last a great number of poor people assembled in the market place during the time of the market, on account of the rise of wheat, when they ripped open the sacks and scattered all the corn about; took butter, meat, cheese and bacon out of the shops, and threw it into the streets, and so intimidated the bakers that they immediately fell their bread 2d. in the peck loaf, and promised next week to lower to 8d. per gallon. From Newbury they proceeded to Shaw Mill, where they threw the flourinto the river. broke the windows of the house, and did other considerable damage there, as well as at several other mills, to the amount of nearly £1,000. A poor man, whose name was Parker one of the mob, was killed, who has left a wife and five children; another man had his arm broke, but we do not hear of any further They threatened to proceed farther if provisions were not lowered."

On the 1st of this month, June, this country had its first day of summer, with the result that the Mark Lane market, although there was a large attendance of the party of American millers who are now on a visit to Great Britain, was very slow and prices were inclined to be easier. Sellers manifested impatience at the "waiting policy" shown by buyers of wheat, who however, will not buy heavily, as there still remains a good chance of a splendid wheat harvest in Great Britain. Your quotations from the Miller, of this city, with reference to State granaries, which that journal advocated should be established in order to have enough food in the country to feed the people in case of war. During the past week the French Government has become alarmed at the existing shortage of wheat and other breadstuffs in the chief centres, and they have come to the conclusion that the Ministry of War should stock all their fortified towns with two months' purpose. The operation of securing B. Sanderson, of your city, sung the London, June 2d, 1891.

this large quantity of grain, on account first verse of the American National carried out gradually instead of by taking up the whole quantity from the steamer and proceeded down the loch

current supplies. The party of American millers broke up this morning, some proceeding from here to Paris, some to other parts of the Continent, others remaining in London and some returning to Liverpool on their way back to their homes in America. The party which consisted of 48 gentlemen, 11 ladies and 2 children, arrived at Liverpool on Wednesday, the 20th of May, and were received by a committee of members of the Liverpool Corn Exchange, and conducted to their hotel. On Thursday, the 21st, the American milling party, in company with about 40 members of the Liverpool Corn Exchange paid a visit to the old English city of Chester, where they were welcomed by the mayor and conducted around to some of the most interesting portions of this old city. After lunch, which was provided in the Town Hall, the party paid a visit to Eaton Hall, the residence of the Duke of Westminster, after which the return journey to Liverpool was made. Sight-seeing occupied the whole of Friday, the 22d, and a great deal of time was devoted to the inspection of the Liverpool docks, the Waterloo grain warehouses and the warehouses in the Alexandria docks. On Saturday, May the 23d, the American party took special train to Edinburgh, which city they reached the same evening and were welcomed by a committee of the Edinburgh and Leith Flour Trade. On Monday, the 25th, the market. Today the party dispersed, local committee took the party for a some leaving London to visit friends trip to the Forth Bridge in a special in other parts of England, or on the steamer. The company, including the Continent and others to return to their Provost of Leith, a number of local millers and the American consul, Mr. Wallace Bruce, took luncheon on the saloon deck as the steamer was nearing the bridge. After thoroughly inspecting the bridge the party returned to Leith and in due course made their way to their hotels in Edinburgh. Early next morning, Tuesday the 26th, the visitors set out for Sterling, where they visited, after having partaken of breakfast in the Royal Hotel, the castle of the same paper states that the closof that ancient and historical town. ing of the mills after that of the spirit After leaving Sterling the party proceeded through the "land of the Mac-ganization of Marseilles trade. gregors" to Aberfoyle to the Trossachs Hotel where they were met by their Glasgow hosts-members of a committee of Glasgow flour importers and merchants—and entertained to luncheon. After lunch the company proceeded to Loch Katrine where they embarked on President, nominated by the Council readers will, no doubt, recollect reading | board a steamer which conveyed them | for the coming year, Mr. Joseph Westin your journal a few years ago, your to the top of the lake in a down pour ley, of Northampton. In my next let- Mr. Bork and his business manager, A. of rain, which continued most of the ter I will give you the programme in A. Gillespie, are also full-fledged firetime occupied by the coach run of six detail, but I have heard that Earl men, and run with "de masheen" in miles from Stranachlachar. which is Spencer, K. G., will be present and Attica. situated near the topof Loch Katrine, take part in the proceedings. to Inversnaid, on thes hores of Loch Lomond. A steamer, specially chartered by the Glasgow Reception Committee, took the party up the Loch as far as Audlin and then "turned about" and proceeded to Tarbet, where dinner was served in the hotel of that place to a company of over 100 persons, including reserve supplies of wheat or flour to feed the American Consul at Glasgow, Mr. the inhabitants within the towns in case Levi Brown. After dinner and before and the order for the necessary maof siege during war. In towns where the speeches, the loyal toast of Queen chinery was placed, in March, with a the population exceeds 40,000, half the of England and the President of the foreign firm at Shanghai. This develcost of forming these reserve stocks will United States was given by the chairbe borne by the municipalities. The man, and by way of honoring the first total cost, it is calculated, will be about part of the toast the first verse of the received some cakes provided for them £1,750,000, and about 750,000 qrs. of National Anthem was sung, after which in 1889 by the late Marquis Tseng, wheat or flour will be required for the the American visitors, led off by Mr. H. made from foreign flour.

of the bad outlook in Europe will be Ode most enthusiastically. After dinner the company re-embarked on the to Balloch, where they took train to Glasgow, thus closing a long day's travelling which was accompanied with much real pleasure. The following day, Wednesday, the 27th, was given up to at his home here, June 6th, aged 59. sight-seeing and visiting the Regents Capt. Collins was no ordinary man, Flour Mill as well as several of the and it can honestly be said of him that large baking factories. On Thursday there is more sincere sorrow at his unmorning, the 28th of May, the party timely taking off, than has been left Glasgow for London, where they arrived late in the evening of the same years. Upright, bold and true to his day. The following day was given up to sight-seeing and shopping and on Saturday, the 30th, the visitors became the guests of the London Flour Trade Association, who organized a trip for one section of the party including the ladies, by special train to Windsor Castle, returning by a steam launch down the Thames to Richmond. The larger party took a special train to member, fitly expresses the feelings of Richmond and were driven through Richmond Park to Hampton Court, grounds. They were then driven back him a place in this Exchange that will to Richmond and joined the gentlemen cause his loss to be deeply deplored." and a number of speeches the company broke up and boarded the special train, which carried them back to London. On Sunday the party dined together, and yesterday, Monday, 1st of June, visited various sights in London, while a large number attended Mark Lane

> The Temps states that the uncertainty existing concerning the future increase of the import duty on corn had caused ten mills in Marseilles to cease work, whilst a further batch of ten are only working two or three days per week. Forty other mills propose to suspend operations as soon as their stocks are cleared, and this will throw 20,000 men out of employment. The correspondent distilleries will complete the disor-

The National Association of British and Irish millers have decided to hold there annual convention this year in Northampton on July 7th, 8th, 9th and 10th, and a most enjoyable programme has been arranged by the

The American millers will be astonished at the latest news from China, which states that the Imperial government has granted permission for the erection of two steam flour mills in Pekin, and these are, if successful, to be followed by three others. The mills are to be under the management of a large piece goods firm in Shantung, opment is said to be due to the favor with which the Emperor and Empress X. Y.

OUR BUFFALO LETTER.

Receipts and Shipments of Flour-The Market -Canal vs. Rail Freights-New Macaroni Works-Items of Interest-Personals, etc.

APT. THOMAS COLLINS, of this city, one of the best known navigators on the chain of the Great Lakes, died suddenly expressed in this city for many friends, with a long, clear head, and a judgment so keen that even his worst enemies respected him. He had but few of the latter. His was an eventful life. Early at sea he drifted into many lands, returning some twenty years ago to settle down in Buffalo. The resolution passed by the Merchants' Exchange, of which he was an honored all: "His rugged adherence to the right in all matters pertaining to the where they were shown the Palace and public and private interests, has made who had returned from Windsor, at the Flags on the shipping were lowered to banquet given by the London Flour half-mast, out of respect to his mem-Trade Association at the Star and Garter, ory, and his funeral was attended by a Richmond. After a bountiful feast large body of our most respected citi-

> The receipts of flour by rail from the opening of navigation to June 15th, were 1,518,000 bbls. against 1,200,000 for the same time last year; of grain 19,072,000 bush. against 28,600,000 last year.

Railroad shipments from opening of navigation to May 15th, 10,200,000 bush. against 11,900,000 last year. The canal carried 6,400,000 bush. since May 5th against 10,200,000 last year.

The Imperial Mill Company of Duluth, is making what appears to be a foolish attempt to gain a penny or two by sending down its flour in vessels outside of line boats. This is all right in its way, but considering the power of these through lines, it would pay better to give them the business.

The Attica Mills are flourishing un der the management of Mr. Charles Bork. Work will soon be commenced on a new office 20x30 feet on the northeast corner of the present building, extending over the creek. The present office is a dingy, unhandy affair, altogether too small for the increasing business. A new cupola has just been completed on the big mill.

Head miller C. Schroeder of the Attica Mills, is one of the fire laddies of that village, and made the trip to Lockport with the "hooks" a week ago.

All of Pillsbury's damaged flour will be repacked in the new Lackawanna house here. This work was heretofore done in Paterson, New Jersey.

Mr. Shuttleworth, of the Banner Milling Company, has the sympathy of the Merchants' Exchange in the loss of first his mother and a few days later a loving and devoted sister.

It is quietly rumored that that stu pendous bucket shop, the New York Produce Exchange, did itself proud in the entertainment given the millers. You bet-and the visiting millers will not forget it either.

The West Avenue Mills in Attica, N. Y., are figuring to put in the patent Pennsylvania oil burners to replace than it was a month ago.

Corn has numerous friends here on the best old heads have a jag or two on willing to talk. hand.

at the start.

C. J. Mann's floater has had a sorry time of it. One accident after another to break the Association. Several men were injured and a quantity of good wheat wasted in the desperate endeavors to unload a cargo of 25,000 bushels in two days. Mann's floater will never "bust" the Association, nor a dozen like it.

It is astonishing how our country cousins are coming to the conclusion that they are as good men as "Old Hutch." I find new faces from the shows considerable improvement but country in our broker shops every day and from their conversation it is evident they are in it deep. A successful play on the part of one "farmer" is a good investment for our regular bucket shops as it is sure to bring in the poor suckers in droves, anxious to be scaled. Stick to the farm.

Business has been dull at Wright's and the lesser halls of speculation. A change in prices is greatly needed. Pork is the deal for a sharp advance in most places. Prices of flour have been very unsteady. Spring Patents were sold in car load lots at \$5.75 and \$6.00 Winters were offered at to jobbers. \$5.35@5.50. Straight Spring, \$4.85@ 5.25; do. Winter, \$4.25@5.00; Red-dog, \$2.25@3.00. Rye flour is quoted at the old prices of \$4.75@4.95.

Taking the shortage of grain cargoes into consideration there is no money in vessel property this year. All ports are alike, with perhaps Duluth taking the Sure. lead as usual in "stealing" wheat. latter port are doing some tall cursing.

Russell have formed a co-partnership bushels of ungraded wheat which, Duluth wheat. being about 35 years.

York. This beat the rail and consequently the roads withdrew. Rates then advanced to 31 on wheat by canal, but the rail appears to have enough of I would like to have the following go of the different kinds of maccaroni from this kind of fighting for the present.

Mill feed has been rather unsettled. Several lots brought down by lake were forced on the market and went at a low These were picked up by Heinold & Rodebaugh. Coarse Winter Bran and Mids sold at \$16.50 and Spring at \$15.00@15.50; Fine White Feed is held up to \$23 per ton, owing to light offerings and good demand.

Several country mills in this vicinity have shut down, among them being the Newman mill at Akron, and Parsons & expectedly from the Millers' Convention on 'Change last week. Co.'s of Batavia.

his brother, N. Simons, and will remain adjournment, and tried to get a satis- ers and swindlers, are in trouble here. the boys running into the Exchange,

this market above all expectations. Brothers, made famous by Charles "Clint" stuck to one story and that was: a true bill against them, charging Some millers secured bargains in Min- Dickens, ever had a counterpart it is in "I got tired of the crowd." It was left them with offenses against the gambneapolis, special lots to arrive from Du- these two old gentlemen. They are for Mr. George Urban to give the true ling laws. This is the first attempt in luth at 5@10c under the market, but inseparable, and to hear them talk and inwardness of the reason why. When Buffalo to break up the bucket-shops, outside of this limits have been well watch the attentive listening when asked about it, Mr. Urban said: "Why and from the evidence produced it will maintained, and wheat is no cheaper either Nate or Lon makes a remark is 'Clint' took what he thought was the go hard with these rogues. The case a rare treat.

the outlook which is considered excel- judging from the silence maintained by first he knew the train hands were lent for light receipts and a consequent the Buffalo delegates, not of a satisfac-shaking him and yelling: 'Buffalo! report from Minneapolis that 2,000,000 advance in prices. Quite a number of tory character. Not one of them is Buffalo!"

known it to fail.

Secretary Thurstone, of the Merchants' Exchange, has returned from Atlantic City, where he has been the past six weeks in search of health. He hard work will again bring him down.

Secretary Daly, who has also been absent for two months with a serious attack of rheumatism, is on deck again and will probably recover entirely when warm weather comes. At least this is the heartfelt wish of the members of the Exchange, who have greatly missed this valuable servant.

The case of Stephen Sherman, sentenced to five years in the state prison, was argued on appeal in the General Term Supreme Court June 5th. The attorneys for Sherman made able arguments trying to show that "Steve" did not intend to do wrong but that his Frank appeared at the office of his torfor the theft of 350,000 bushels of good startling intelligence that "the man was days and catch a bigger mess of suckers the track-engine came along-ground on a bare hook than he did before.

More discrepancy comes to light in Masters of vessels trading with the the Dakota elevator, which probably cheek as he walked out of the office folmay be added to the other relics of the lowed by the roars of laughter from all Mr. Wm. Meadows and Mr. Pierre Sherman Bros.' misdeeds. About 2,200 inside. under the firm name of Wm. Meadows rumor says, had been shipped here by & Co. They will deal principally in the Shermans for the purpose of mix- and Pietro Terrile are the proprietors, This is December ing with the standard grades of hard are using 18 bbls. of flour per day in wedded to May, the difference in ages Duluth wheat, are missing. The ele-the manufacture of these goods. Most famous transactions in the nasty eleva- grades of flour desired by the Italian tor scandal is among the possibilities.

start on his trip around the world, he out the imported article. packed up a neat bundle of 2,000 small labels of his famous "Bridal Veil" flour, and in all the earnestness which his glibe tongue is capable of producing, with him to plaster up the dead walls of all the ancient towns he visited, particularly on the Pyramids of Egypt.

"Clint" Newman returned quite unat New York. Everyone on 'Change Mr. L. Simons of Chicago, is visiting was surprised to see him before the partner, G. L. Pratt, bucket-shop keep-

The late Millers' Convention was, ductor to call out 42nd street. The country dupes.

It has certainly been dull in the flour Company are in the hands of W. C. better. The wheat crop in this country at trade, but when compared with last Jacus for final settlement. The furnipresent is the best on record. Every year it does not look half as bad as ture in the office was auctioned off last ket paper published in Buffalo that field is grand and the farmer is bank- some millers are inclined to make it. week and Joe Hadcock, in order to show Alexander Mann, representing John B. ing on a propitious yield. Oats are The stoppages were less frequent and of his innate cunning, attempted to bid up A. Kern & Son's Eagle Flouring Mills, looking poorly, owing to dry weather shorter duration this year and the the price of a long desk which he Milwaukee, Wisconsin, has sent some stocks on hand are no larger. In fact thought the new occupants of the office valuable "pointers" on the coming if eastern purchasers would order it must have. The boys helped the bid-crops. Alex. should get a position in out with the same rapidity they did ding on and finally knocked the cum- the Agricultural Department of Uncle has been its misfortune since starting in last year the supply here would be light bersome piece of useless furniture down Sam. His knowledge concerning wheat enough to advance, or at least hold to him at his own figures. Half an and other cereal crops is certainly up prices exceedingly firm. Some of these hour after the purchase he was given to the standard required by the present days the position will change suddenly. notice to remove the desk forthwith or head of that department. He says: I We have these dull times about four storage would be charged. Joe is ready desire to call your attention to the comtimes each year and I have never to settle at a loss of \$5, but the boys ing boom in breadstuffs. The facts I cannot see him for less than \$10 and a give are based on some reliable infor-

> Patten Bros. of Chicago, is in possession penditure for which I have placed on of the most unique specimen of a "downeast Yank" ever captured in this city. He is a jewel in the office and a sensation on the floor of the Exchange. Mr. Wolcott purchased a line of corn from a seller here when it was down among the fifties and sold some of it as high as 83c. Ever since the last car was delivered the first seller has been pushing Frank Eames, which is the name of Wolcott's clerk, for the output of one of these cars which had been sold down in the country. Frank, for reasons best known to himself, had a plausible pretext for not giving the weights, but finally a settlement was demanded. Several days elapsed, when one morning wicked brother probably was responsible menter in great perturbation, with the wheat and the mixing of 300,000 more. dead." "What man?" asked the head The case was submitted. Steve will clerk. "Why, the man with the output come back to Buffalo some of these of that car of corn-was walking along him into mince meat—certificate of freight in his pocket — all buried together." There was a tear on Frank's

The Buffalo Maccaroni and Vermicelli Works, of which Mr. Louis Onetto firm. Orders were received last week As an instance of Yankee enterprise for as high as 4,000 boxes and 100 bbls. on record. When Mr. A. R. James one firm, and it is claimed that the heard that Pierre Russell intended to superior quality made is fast driving

The local wheat market has been dull, in fact dead, for three weeks. Millers bought fairly liberal of cargoes to arrive and c. i. f., and at the unsettled actually got Mr. Russell to take them stage of the trade are not anxious to take on more than will supply immediate wants.

Mr. J. B. Mongin, of the milling firm of Sweet, Mongin & Co., Waterloo, was

John C. Allen and his "wicked"

Duluth wheat has held its own in for several months. If the Cheeryble factory explanation of his early arrival. The Grand Jury, on June 10th, found elevated train and waited for the con- was brought against them by a few

> There is little need of denying the bushels of bin-burnt wheat was shipped The affairs of the Buffalo Forwarding to this market for sale. Millers know

I see by the only reliable daily marmation obtained in my travels, from Mr. George H. Wolcott, representing government crop scouts, at a large exmy expense account "oil for knowledge:"

1st. The wheat crop of Greenland is almost a total failure.

2d. The corn crop of Labrador and Iceland is ditto.

3d. The reserves in Finland and Kamschatka are at the lowest point known in years.

4th. It is about time for the tendollar-a-barrel miller in the Northwest to issue another manifesto.

5th. Buffalo traders are advising Buffalo millers to buy wheat-always a sure "copper."

6th. Last night was New Moon and a liver and milk-colored dog howled all night in the backyard of old Hutch's boarding house.

Take notice my friends and govern yourselves accordingly. A word to the BUFFALO. wise is sufficient.

Buffalo, N. Y., June 13, 1891.

OUR ST. LOUIS LETTER.

Harvesting in the South-Telegraph Wires Replaced-Millers' Pic-nic-Merchants Exchange Notes-Receipts, Shipments, Prices, etc.

T. LOUIS milling news is very scarce this month and the topics for a letter are hardly as interesting as they might be. Harvest season has just set in in Southern Illinois and Kansas and the reports of the crops are excellent. On June 13th all the Southern Illinois farmers set to work harvesting and during the present week Kansas and Missouri will be vator in question shows a reluctance to of the flour is made for them by the hard at work. Not only the govern-Canal freights dropped to the lowest settle the matter with the owners of the Urban Mills, and as the trade is in- ment and state reports but also private rate in the history of this big ditch, wheat, and another law suit, which will, creasing daily, new machinery will be intelligence, all speak of the wheat namely, 21 cents on wheat to New no doubt, bring to light some more in- put in by the Urban for the special as far exceeding any year in its quantity. The last few days of rain, both here and in Illinois were hard on the wheat and damaged it somewhat but it was in a small section of country.

At the last meeting of the Board of Directors of the Merchants' Exchange it was decided to allow all the telegraph companies to replace their wires on the Exchange floor. This action was taken on a communication received from the Western Union asking for the privilege, and was the direct outcome of a very serious accident happening some time ago to the messenger boys employed on 'Change by the company. When the wires were ruled off the floor some time ago, the telegraph people placed their private wires right outside the entrance to the floor. This necessitated

to expedite matters by running very fast with their telegrams, ran into each other. Both were knocked senseless and one was very seriously injured. On a protest from the prominent men of the Exchange the company will again place its wires on the floor. This action will bring about \$1800 into the treasury of the Exchange yearly.

On June 4th the millers held their annual picnic down the river. About 2,100 people attended and enjoyed a very pleasant day. The trip down the river brought the party to Montesano Springs, where are spacious picnic grounds. About four o'clock the trip back was commenced, the party arriving at St. Louis at eleven o'clock, tired but not regretting at all the day's

The Exchange took two holidays this month, one on Decoration Day and a half holiday to attend the laying of the corner stone of the new city hall. Just now the spring race meet is going on and attracting as many flour men as the wheat market.

As usual the vote on 'Change to expend the surplus fund on a new home resulted in a victory for the kickers. The vote was very small being only about 1,300 votes in all, but the threefourths necessary to carry it were not obtained and the money will remain still in Government bonds. It is expected soon however, to hold another vote when it is confidently expected that it will pass.

Freight rate cutting is going on and rates to the East are much better than before.

WHEAT.

Receipts this week, June 13, were 71,329 bush., as against 106,359 bush. last week. Shipments, 38,542 bush., as compared with 98,510 bush. last week. Stocks also have fallen being only 105,046 bush., as against 181,462 Withbush. the week previous. drawals for export amounted to 27,000 bush., with 30,589 bush. for city consumption and 45,524 bush. for rail the latest quotations: No. 2 hard shipment. Markets on all grades were spring wheat patents, in bbls., \$5.20@ well up and maintained good prices all 5.40; soft spring wheat patents, in bbls. week, closing as follows: No. 3 Red, \$5.00@5.20; No. 3 wheat in sacks, \$4.50 94c, No. 2 Hard (Kansas) 91½c, No. 2 Colorado, 94c, No. 2 Red, 98½c.

FLOUR.

491 bbls. last week. amounted to only 46,198 bbls., as against 48,871 bbls. the week pre- \$4.45@5.00. vious. During the past week the market were entirely to high for buyers and corn, \$19.75@20.50. while there were good offerings the millers would not accept same at high quotations. Present quotations are: XXX \$3.40 @ \$3.50; family, \$3.70 @ \$3,80; choice, \$4.00 @ \$4.20; fancy, \$4.40 @ \$4.50; extra fancy, \$4.65 @ \$4.75; patents, \$4.85 @ \$5.00.

WALTER HOWARD BAIN. St. Louis, June 15, 1891.

MILWAUKEE REVIEW.

HE breadstuffs market are somewhat weak and declining owing to a demoralized feeling in European markets and fine burning up and a general failure is weather on both sides of the At-A brisk export demand exists, however, and the movement are as follows: Flour barrel hoop poles, a good deal on the desire to sell. export clearances of wheat from both tierce hoops, oak, \$12.00@12.50; flour own prices. Stocks in dealers hands coasts of the United States for the week barrel, hand-shaved hickory, \$7.00; are light.

an action not at all pleasant to the ending on the 13th inst., were 2,190,000 ash, \$5.50; patent hoops, \$7.00; flour members. Lately two boys in trying bushels, against 2,699,000 bushels the barrels are quoted at 36c for round in the Canadian Miller, this country the exports aggregate 94,477,000 bushels, against 102,000,00 bushels in 1890.

> The following table shows the closing prices of wheat and coarse grain on 'Change, June 13, as compared with those of the same day of 1890:

	1891	1890
No. 1 Northern. o. t	1 00 .95½ .94%	.91 .85 .84%
No. 2 do, i. s No. 2 barley, i. s No. 1 rye, i. s	.72 .82	.4834
No. 3 corn, o. t No. 2 w oats, o. t	.57	.34 .29¼

The stock of wheat here on the 13th inst., was reported at 155,834 bushels against 144,304 bushels the previous week, and 728,823 bushels the corresponding day last year. The receipts of grain for the 24 hours ending 13th inst. were: Wheat, 36,580 bush.; Corn, 1,300 bush.; Oats, 22,000 bush.; Barley, 2,800 bush.; Rye, 3,480 bush. Shipments: Wheat, 6,914 bush.; Oats, 41,000 bush.; Barley, 700 bush.; Rye, 2,580 bush. The receipts and shipments for the week ending same time

			Receipts	Shipments.
Wheat.	bushels		155,066	40,375
Corn.	**		11,160	600
Oats.	**		76.000	43,400
Barley,			32,900	5,500
Rye,	**	٠.	13,993	4.320

Rail freights are quoted on the basis of 25 cents per 100 pounds for flour and grain to New York. Lake transit rates are on the basis of 23 cents per 100 pounds on flour and feed to New York. Lake and rail rates are quoted 5 cents below all rail, or on the basis of 20 cents per 100 pounds to New York. There is barely any inquiry for vessel room and freights are inactive and nominal, the rate to Buffalo being quoted at 1 cent for wheat.

The average daily flour production for past three weeks were as follows: Week ending May 30, 3,675 barrels; June 6, 3,750 barrels; June 13, 5,140 barrels. Flour is quiet and easy, the demand being light. Following are @4.75; clears, choice bakers', \$4.20@ 4.40; No. 3 wheat, \$4.10@4.30; straight, choice bakers', \$4.80@5.00; No. 3 do, Receipts were 21,754 bbls., and 25,- \$4.40@4.65; low grades, \$3.00@3.75; Shipments winter straights, in bbls, \$4 65@4.85; rye flour, in sacks, \$4.25@4.50; in bbls.,

Millstuffs are higher. Prices range has been very dull and sales were very as follows: \$14.25@14.50 for sacked slight, being only to supply Southern bran, and \$17.75@18.00 for fine midand local orders. Extra fancy sold dlings; corn-meal, coarse, in bulk, better than all the other grades, prices \$22.25@23.50; ground feed, oats and

> The receipts and shipments of flour for the week ending with the 13th inst., as compared with those of corresponding date in 1890 were as follows:

Receipts.		Shipments.	
1891.	1890.	1891. •	1890.
24,582	17,067	46,527	32,975

Private advices say rain is needed in Western Wisconsin and Eastern Minnesota. In the vicinity of Kilbourn City, Wis., there is a district where moisture is needed very badly, as the crops are threatened.

The latest quotations in cooperage

previous week. Since July 1, 1890, hoops. Barrel stock, No. 1 elm slack, will be an importer of breadstuffs per 1,000. \$6.50; oak, \$7.50; flour barrel within the next four years. The article headings, 4½c per set; head linings, 12- is well written and should be carefully inch elm, 35c; do, 18-inch, 45c.

agers acting on their convictions that agricultural prosperity, speculating. The majority of millers figuring on the price of wheat when the order came found that there was no margin of profit left to them. Sales have been slow and unsatisfactory, this is especially true of patents.

In the face of large receipts at the primaries and a generally conceded great promise of the growing crop, people feel perfectly secure on the subject of future supplies and consequently buy from hand to mouth only. Thus it comes about that millers complain of dull market and small sales, but taking the crop year as a whole it has been fairly remunerative to the milling fraternity.

The number of mills idle has materially reduced the offerings of bran and middlings, and the sharp decline in corn and oats has brought these feed products into more general use again. Plenty of export orders could be got but they are at figures that most mills do not care to take. The fact is, foreign dealers have become so familiar with the cost of flour propuction in this country that they can take their morning cable of the Chicago market and figure to a penny just what it will cost the American miller to lay his products down in London, and they will not bid above that figure until grim necessity compels them to, or the turn of the political wheel or weather cock, gives some shrewd ones an idea that there was "money in it." The amount of wheat in sight to-day is 15,500,000 bushels, and the amount afloat to the United Kingdom, 21,600,000 bushels. Total on land and sea, 37,100,000 bushels. While our present supplies are being augmented at the a leading flour milling firm of Michidrafts on it for milling and export are the Eastern states in the interests of such that the net decrease weekly the firm, where we trust he will sucamounts to fully one million. At this ceed to an extent that the capacity of rate we have about three months sup- the plant represented will be fully plies, but that will carry us nicely into taxed. the next crop.

Everybody has been astonished at the great daily receipts, 276,000 bushels to-day for example, whereas it was bewas completely used up in July last year. Indeed, the writer has often asserted this to be a fact, but we hear from good authority to-day that Minnesota farmers are now marketing wheat of the crop of 1888.

The price of July wheat at New York was from \$1.04 to \$1.05; at Duluth for hard wheat, \$1.04 to \$1.05; No. 2 spring, 93½c; Chicago, No. spring, 94c.

According to an article by Davis read and weighed by all who are In milling circles generally the "mid- interested in our food supply. I cannot summer round up" or clean up is on. agree with him that the available Most mills are shut down or running wheat land in this country cannot be short. The output has been light and greatly increased. To my mind, when even that has not been readily disposed the time comes, that the people of at prices that paid for milling, of this country will have to import There are exceptions; a few mill man- wheat, it will simply mean an era of and our the price of wheat would gradually go farmers will demonstrate that the down, have kept sold ahead and when present acreage in wheat can be nearly the time for delivery came around, doubled, and that too without encroachfound they could buy and fill their ing on or rather diminishing other orders at a profit, but not all millers crops. Nevertheless the article is timely have the nerve to do that, for that is and interesting in view of the very rapid increase of our population.

> L. R. Hurd, of the Daisy Mill, reports orders ahead to keep the mill running full time until Aug. 15; having turned out since July 1, 1890, 330,000 bbls. of flour, not a barrel of which has left the mill until sold. Also that on the 15th of Aug. prox.--nothing in the mean time preventing-the mill will on that day have made a year's continuous run of 24 hours per day. DONALDSON.

MILWAUKEE, June 15, 1891.

MILWAUKEE NOTES.

Supervising Architect Edbrooke, of Washington, D. C., will visit this city in a few days for the purpose of making a personal examination of the federal building site and its surround-

May 20th a large delegation from the City Council of Boston made Milwaukee a visit. They were royally entertained and shown such public works and private manufacturing institutions as they desired to inspect. They visited the Edw. P. Allis works and were surprised at the magnitude and evident prosperity of that institution. The Pabst Brewery was also visited and the Bostonians were shown how Milwaukee beer is made and they showed no conscientious scruples about sampling the manufactured article either.

Mr. E. Donaldson, for many years a commission merchant and flour broker in this city, and whose name is familiar to readers of Milwaukee Reviews in our columns, has accepted a position with rate of over a million per week, the gan. He will travel through some of

The Wisconsin Free Malting Company incorporated June 9, with a capital stock of \$200,000. The incorporators are Charles Allis, Edwin Reynolds lieved that the surplus of sound grain and John W. Free. Mr. Free has been connected for years with the malting business, and holds the title to some of the most valuable patents on malting machinery in the country. Mr. Allis is a son of the late Edward P. Allis and Mr. Reynolds is a member of the firm of E. P. Allis & Co. The corporation is formed for the purpose of entering extensively into the malting St. Louis for red winter, 90c; here for business in this city, and the plant, which it is proposed, shall be one of the largest in the country, will be The prices obtained for flour depends located near the present E. P. Allis works on the South Side. With the from the seaboard is fairly large. The per 1,000, Western, \$11.00@12.00; Buyers are able generally to make their aid of the improved machinery the new plant will be also the most perfect in the country.

EWS .- THE Little Falls roller mill at Little Falls, Minn., was destroyed by fire, June 3. The Only a small part of the mill was left stand- cago. His loss over and above insurance ing. Loss \$65,000; insurance, \$47,500. The building was completed and began operations about 350 barrels daily. It will be rebuilt, but nothing definite can be said until a meeting of the stockholders has been held. THE N. Knauf Co. succeed Zech Bros.,

millers at Chilton, Wis.

AT Uniontown, Ala., June 6, B. Howard's grist mill was burned. Loss, \$2,500.

BARKMAN & THIELE, millers at Marcus, Iowa, are succeeded by Barkman & Martin.

AT Bloomfield, Ont., May 13, A. B. Saylor's flour mills were burned. Loss, \$4,000; insurance small.

AT Mapleton, Pa., May 11, the flour mill of J. K. Robley was burned. Loss, \$11,000; insurance, \$7,000.

AT Eagle Mill, Tex., June 3, the milling plant of Hicks Bros. & Lassiter was burned. Loss, \$15,000; no insurance.

AT Uhrichsville, Ohio, June 6, fire totally destroyed the flouring mill of T. B. Smith. Loss, \$15,000; insurance \$10,000.

AT Oshkosh, Wis., May 26, fire in the barns owned by the Foote Bros.' Milling Company did \$6,000 damage; insurance, \$3,000.

AT Chico, Cal., May 19, the Durham Flouring Mills were burned, William M. Taylor, proprietor. Loss \$5,000; insurance \$2,700.

HON. JOHN MCKENZIE, mill owner at Dekorra, Wis., died May 6, aged 59 years. He had been in the milling business since 1868.

THE London, Eng., Flour Trade Association gave a banquet in honor of the visiting American millers on the evening of May 30.

Ir is reported that work will shortly commence on a 100 barrel roller mill at Fairfield, Wash. C. H. Potter and James McKay are the projectors.

AT McGregor, Ont., May 28, Higgins Bros.' grist and saw-mill outbuildings were burned with some lumber and flour. Loss, \$20,000; insurance, \$6,000.

VAN SLYKE & ADAMS' flouring mill at Leslie, Mich., was recently burned. Loss \$7,000 with slight insurance. The cause is believed to have been incendiary.

C. W. WASHBURN, of Junction City, Ore. and his son, B. A. Washburn, of Springfield, Ore., have let a contract for the machinery for a 150-barrel roller mill at the latter-named

AT Buffalo, Minn., May 31, the large elevator and grist mill, owned by Thomas Hillier, were burned. Loss \$12,000. The supposition is that the mill was struck by lightning.

AT Albany, Ga., May 24, the Stresian flouring mill and elevator were burned, together with six freight cars loaded with flour, corn and bran. Loss, \$15,000 to \$20,000; fully insured.

MR. YATES ASHLEY, miller, of Pardeeville, Wis., made us a pleasant call on the 9th inst. He said business was good, particularly custom trade. Mr. Ashley was on his way East on business.

AT Alexandria, Minn., May 15, fire broke out in the old Pillsbury elevator and partially destroyed it. The main building was saved, but in damaged condition. The engine house and contents are a total loss.

In the list of shipments by The Jonathan Mills Manuf'g Co., published in our last issue, the item of Purifiers to the Kratochwill Kratochwill, Carrollton, O., which is near against the oil company for \$200,000 damages. Dayton.

ARMSTRONG & Co's. elevator at Lincoln, Ill., containing 4,000 bushels of oats and corn, and a lot of cribs adjoining, in which were 40,000 bushels of corn, were burned May 20, entailing an aggregate loss of \$38,000, with no insurance.

THE injunction suit of Fred. O. Crary, of Hudson, Wis., to prevent the formation of the Northwestern Consolidated Milling Company, of Minneapolis, Minn., was compromised on the 11th inst. The combination paid him \$2,500 for his \$5,000 of stock.

AT Lorena, Texas, May 21, the grain warehouse and steam corn sheller, together with a large lot of grain and feed, the property of Henry C. Schaffer, was burned. Nothing was saved except the engine and boiler. It was insured in local agencies for \$1,350. Loss \$6,000.

THE result of the investigation of the experts in regard to the alleged wheat stealing is that everything connected with the handling of wheat at Duluth is perfectly straight and regular, and that no wheat was without the knowledge of either the weighing or inspection departments.

MR. THOMAS HILLIER, of Buffalo, Minn., whose mill and elevator were burned May 31, had \$7,500 insurance on same; \$2,500 in the fire is supposed to have originated Western Millers' Mutual, of Minneapolis, by the explosion of a lamp in the basement. and \$5,000 in the Millers' National, of Chiwas between \$4,000 and \$5,000.

THE failure of Charles Haight & Co. of in the fall of 1887, and had a capacity of New York will in no way complicate or embarrass the Freeman Milling company of Superior. A. A. Freeman has satisfied the Superior stockholders of that. His individual relations with this company are in fact improved as a result of the failure.

> A MAN at Pardeeville, Wis., drove into a mill pond with a load of flour to wet his wheels. The bank there is quite steep and before he could prevent it the whole outfit was afloat. The wagon went to the bottom but the man, team and wagon box got out, very much wet and the man very mad.

> INCORPORATION papers were filed at Columbus, O., June 1, for the Consolidated Oatmeal Company, with a capital stock of \$3,500,000. All the oatmeal mills of the country are thus brought under one management and headquarters will be at Akron, O. The incorporators say prices will probably be lowered.

THE liabilities of Chas. Haight & Co. flour commission merchants at No. 24 State street, New York, are reported to be about \$300,000 and nominal assets considerably larger. The assignment was due to legitimate business causes, and speculations in wheat had nothing to do with it, as the firm had not speculated at ali.

ARTICLES of incorporation have been filed at Athena, Ore., by the Athena Flouring Mill Company, the objects of which are to build and operate a 100-barrel flour mill at Athena. Capital stock, \$13,000, divided into shares of \$50 each. The incorporators are T. J. Kirk, L. D. Lively, C. W. Hollis, C. A. Barrett, E. L. Barnett and J. H. Hiteman, all of Athena.

PORTER & McKAY, of Spokane, Wash. have contracted to build a flouring mill at Garfield, Wash. The contract stipulates that work on the construction shall begin not later than June 15, and that the mill shall be fully completed and in operation by November 1, 1891. The mill is to be of not less than 50 barrels per day capacity, and the building suitable for a hundred or hundred and fifty barrel mill will be built.

AT New York city, on the morning of June 1, fire started in the four-story building of the Brooklyn Cooperage Company, occupying an entire block. The fire extended to the bagging factory, also covering a block, and to the tenements in the rear of the bagging factory. There was a large amount of machinery in the bagging factory which was destroyed by the fire and water. The loss will amount to \$420,000.

AT Centerview, Mo., May 31, the grain elevator and agricultural implement house of Porter & Delany was burned. The contents of the building included 6,000 bushels of corn, 500 bushels of wheat, several hundred bushels of oats, a quantity of baled hay and a lot of agricultural implements, including seventeen wagons. There was no insurance except \$200 on building. The fire is supposed to have been started by tramps.

In November, 1887, while employes of the Standard Oil Company were unloading a car of oil at Fort Worth, Kans., the tank broke open and the escaping oil ran into the engine room of the Goodlander Mill Co., caught fire and destroyed the entire plant. The mill company claims the accident was caused by a defective oil tank, and on May 15, 1891, Milling Co., should read instead, to James filed a declaration in the United States Court

> THE Capital Mills, located at Salem were transferred May 25, from Robert Livingstone to the Portland Flouring Mills Company. It is reported that the same will be transferred to the Willamette Valley Milling Co., whose stockholders are Theo. B. Wilcox, Charles E. Ladd and A. N. Bush. The mill will be thoroughly overhauled, and plans are now being made to commence operations this fall. The mill has a capacity

THE Minnesota Fire association and the Millers' and Manufacturers' Mutual Fire Insurance association have consolidated under the name of the Millers' and Manufacturers' Insurance company. The total capital is now given at \$421,601 and the total liabilities at \$71,364. The officers remain the same as of the Millers' company. The object of the union is to secure to the Millers' company the charter possessed by the fire association.

ARTICLES of incorporation of the Freeman Milling Company, of Superior, Wis., capital \$250,000, were filed June 9, at Madison with shipped or has been shipped out of Duluth the secretary of state. The new mill will be built this season and situated on the east side of Hughitt slip, where it will occupy a

side which fronts 900 feet on the slip and 300 railing tops, iron gratings to stoves, etc., feet on Howard's bay and is valued at \$75,-000. The mill structure itself will be 114x80 feet in size, of brick and stone, and 6 stories in heighth. In addition to this will be constructed a separate building for a power house and a grain elevator of one hundred and forty thousand bushels capacity for the exclusive handling of mill wheat. The mill oughly incorporated together, so as to is designed to have a capacity of twenty-five hundred barrels of flour daily, and when complete and ready to run will probably represent a cash outlay of \$175,000.

with the \$86,000 bond necessary for an appeal in the injunction suit against the Sidle, Fletcher, Holmes Co., of Minneapolis, the next step was a compromise between the warring factions. It has been known that this move on traces of the cement having vanished, the part of Stout, as well as that of Crary, was simply to dispose of their stock, and they, through their attorneys, formally accepted an offer of 50 cents on the dollar for their stock. A stipulation for the dismissal, signed by both parties, was filed in the United States court, June 11. Another evidence of the removal of all obstacles in the way of the proposed consolidated company was seen by the filing in the register of deeds' office on 11th inst. of a deed of the Sidle-Fletcher-Holmes company's millsite The consideration named was property. \$425,000.

ALFRED A. FREEMAN, Henry Koper and E. C. Haight, composing the firm of Charles Haight & Co, flour commission merchants, at No. 23 State street, New York, made an assignment on June 9, without preference, to Parker P. Simmons. Mr. Freeman was also a partner in the firm of A. A. Freeman & Co., of La Crosse, Wis., and of Freeman & Ruyter, River Falls, Wis., both large flour mills. The firm claimed a capital of \$400,-000, have always stood very high in credit and had the confidence of the trade. The sheriff served an attachment on the 9th inst. against Robert Gregg & Co., millers, of Cannon Falls, Minn., obtained by the Chemical National Bank, of New York, for \$6,300, on drafts dated Jan. 30. It was supposed that Haight & Co. had flour belonging to Gregg & to fill up the boiler. Co. in their stores. The flour mill of A. A. Freeman & Co., at La Crosse, Wis., was burned in August, 1890, and all his known property in Wisconsin, at present, is his interest in the Freeman & Ruyter mill at River of producing flour from wheat by pul-

MILLING AND MECHANICAL NOTES.

WHEN selecting pulleys and belts don't be afraid of having the face of the pulley or belt too wide. Economy will be found in the use of wide belts, if not carried to extremes.

If the grate surface under a boiler is larger than is necessary to burn the required amount of coal, it is neither economy, convenience nor good judgment to retain the full surface, as better results with less labor and more economy in fuel, would be obtained by short ening the grates to such an extent that from eight inches to twelve inches of fire would be required at all times.

DON'T FORCE YOUR BOILER. - One very important cause of deterioration in boilers is due to the fact of their becoming too small to do the work without forcing, so that the pulsations of the the weakening of the material. By placing one's hand on the head or shell of the boiler, the vibrations of the metal can be felt similar to the rising and falling of a man's chest while breathing.

To CLEAN MACHINERY.-A useful recipe for a mixture to clean the iron portions of machinery and ordinary tools is as follows: Take two to three cents' worth of paraffine, chipped fine, added to one litre of petroleum in a stoppered bottle, which for two or three days should from time to time be shaken up until the paraffine is dissolved. To apply it, the mixture is well shaken, spread upon the metal to be cleaned by means of a woolen rag or brush, and on the following day rubbed off with a dry woolen rag.

CEMENTING IRON GRATING, ETC.—The following mixture has been used with great success for the cementing of iron

with such effect as to resist the blows of a sledge hammer. This mixture is composed of equal parts of sulphur and white lead, with about one-sixth proportion of borax, the three being thorform one homogeneous mass. When the application is to be made of this composition, it is wet with strong sul-WHEN J. C. Stout failed to come to time phuric acid, and a thin layer of it is placed between the two pieces of iron, these being at once pressed together. In five days it will be perfectly dry, all and the work having every appearance of welding.

> BANKING FIRES.—The fire in a boiler was banked over night, and during one evening a considerable portion of the water leaked out. In the morning the fireman stirred up his fire and then noticed that there was no water in sight, and considerably frightened, he drew the fires and waited for the engineer, not daring to put in water. The engineer did not get excited, but took a piece of waste, wet it well, put it on the end of a poker and rubbed it over the boiler plates and appeared satisfied. "What do you do that for?" inquired the fireman, and from the engineer's reply he gathered that if the plates were overheated, the water left by the wet piece of waste would show it by quickly evaporating, but if they were not overheated the water would remain on the plates. From this little test he satisfied himself that it was safe enough

CYCLONE FLOUR.—The other day we called upon the millers of this flour and saw the system at work. It is a system verisation instead of either grinding by stones or rollers. By means of a cyclonic current circulating in an hermetically sealed chamber, the wheat is dashed against spikes and against itself until it is pulverised into particles of various degrees of size. So far there is little difference between the old system of milling and this. It is in the dressing that the difference begins. It is true under the old system of milling heat is evolved, whereas under this it is kept cool by being freely ærated. Dressing in the old system is done by sieves or silks, where the particles are graded by size only. In this system they are graded by weight, specific gravity being the grading power. After the wheat is pulverised, it is driven by a blast of air and separated into six different grades. The heaviest particles fall into the first compartment, the next heaviest into the second, the next heaviest into the third, and so on to the engine cause a well marked succession sixth. The result of this is that the old of shocks on the boiler, which result in proportions of bran, gluten, starch, etc., are altered. This may be an advantage, or it may be a disadvantage. We are not yet prepared to say which. We hear from pretty good authority that cyclone meal and flour is finding a ready sale. -British & Foreign Confectioner, London.

The Wadhams Oil & Grease Co., of Milwaukee, Wis., and Seattle, Wash., advise us of the receipt of the following letter, in reference to their "World's Fair Metal Pomade". They are sending on application, free of charge, a small sample of same.

MILWAUKEE, WIS., March 17th, 1891.) Office of the C. M. & St. P. Ry.

J. A. WHALING, Gen'l Storekeeper. Dear Sir:—Replying to yours of the 19th in regard to World's Fair Metal Pomade, I have given this a fair trial, and find it is full as good if not better than any Pomade we have ever used for cleaning brass work. I think it would be advisable for us to use the World's Fair Pomade hereafter in preference to all others.

W. O. Davis, Gen'l Foreman.

INDUSTRIAL TRAINING.

OLONEL WRIGHT, the Commissioner of Labor, has nearly perfected plans for an inquiry through his department regarding the results of industrial and manual training in industrial institutes and trade schools. When the subject of the work of these schools was first suggested, it was generally supposed that the inquiry would be mainly of a statistical character. Colonel Wright, however, came to the conclusion that such an inquiry would add little to the information which is already gathered by the Bureau of Education and by the Census Bureau, and that much more profitable work could be done in studying the results and the benefits of the employment of the graduates of the trade schools. It will be somewhat difficult to confine the answers to such inquiries within statistical limits, but an approximation can doubtless be made towards the aggregate benefits of the system of special training for manual employments. The inquiry will relate mainly to the schools of general manual training, and to those giving expert training he was one of the most prominent and in special lines of mechanical and scientific business. The schools of design will also be reported upon, although they are not considered strictly a branch of manual training.

Among the questions which will be considered in the proposed inquiry are the proportion of graduates of training and trade schools who obtain positions in mills and factories, their degree of superiority over workmen without such training, the rapidity of their advancement in comparison with those without training, their advantage in salary, and the benefits resulting to the establishment by the skill and training of such graduates. Colonel Wright obtained the suggestions of prominent manufacturers and students of education regarding his inquiries, and has prepared a series of questions to be put to the graduates of training schools. Among the questions asked are the economy shown by graduates in the use of materials, their faculty for managing men, their facility in handling tools, and whether in employing new help the employer gives the preference to graduates of the schools. No wide inquiry of precisely this nature has ever been made, although certain features of it have been touched upon by investigations under the State Boards of Massachusetts and Pennsylvania, and by a recent commission authorized by the British Parliament. All of these inquiries, however, dealt more with the bare statistics than with the economic results of special training.

correspondence and the work of special agents to get at the facts he desires. The inquiry will be prosecuted in Europe as well as in this country, and the success of the modern technical schools there compared with our own. Trace of the graduates of these schools in both countries is usually kept by the officers, who will gladly exert themselves to furnish the Department of Labor with the names of as many as possible of their graduates who have found places in mills and factories. A circular letter will then be sent to the employer of each of these graduates, embodying such questions as those just referred to. If prompt answers are not obtained by mail, special agents of the Department will visit the factories manufacturer or mill owner to furnish- ports of the country.

ing the information sought, and as it will be of considerable value to such employers, it is expected that they will gladly furnish it. It will probably take eight months or a year to get all the data desired, and the results will be then embodied in a special report to Congress. - Commercial Bulletin, New York.

EX-GOVERNOR LUDINGTON OF WISCON SIN DEAD.

X-GOVERNOR HARRISON LUDINGTON of this city, died June 17. He was born July, 30, 1812, at Ludingtonville, Putnam County, N. Y. After acquiring an education, such as was afforded at the common schools of his native village, he decided to make an effort in his own behalf in the more extended fields of the then far West, and together, with his uncle, Louis Ludington, began his business career in Milwaukee in November, 1838, as the successor of Solomon Juneau, Milwaukee's first white settler. In 1851, after thirteen years of success, he withdrew from merchandising to embark in the manufacture of lumber, and for forty years successful lumbermen of the Northwest. He was elected alderman in 1861 and re-elected in 1862. He was mayor in 1871; was re-elected in 1873 and held the office until January, 1876, when he resigned to assume the duties of governor of the state, to which office he was elected in November, 1875.

Several strong elements in his disposition contributed to Mr. Ludington's prosperity. Among them were both personal and moral courage, energy and integrity, honesty and firmness, good judgment and willingness to conform to business methods and wholly avoid speculation.

Mr. Ludington brought the first seed wheat from the East to Milwaukee, and bought the first load of grain brought to this market. Old settlers speak of him as the first "elevator," because he carried this grain on his back into an upper story of his warehouse, where he stored it.

His physical decline dates back to 1885, when he slipped on an icy sidewalk and injured his leg, from which he never fully recovered. The injury prevented him walking to his office, and getting his customary exercise, the failure to get which began to tell on his general health at once. On June 8, last, he suffered a partial stroke of paralysis, and this, acting upon a system that was run down and worn out by the experiences of a long life, culminated in his death.

During his business career of fiftythree years his credit has been unim-Colonel Wright will rely upon both paired, and war, panics and the various commercial revulsions of this long term failed to prevent his meeting every obligation fully and promptly.

EXPORT FOR MAY.

The Chief of Bureau of Statistics reports the following statement of the exports of domestic breadstuffs for the month of May, 1891: Barley, 196,476 bush.; Corn, 853,876 bush.; Cornmeal, 17,118 barrels; Oats, 17,636 bush.; Oatmeal, 321,708 pounds; Wheat, 6,286,987 bush.; Wheat flour, 799,497 barrels. Total value of breadstuffs exported for the month, \$12,330,231; same month, Total value of 1890, \$13,684,733. breadstuffs exported for the 11 months, ending May 31, 1891, \$109,956,984; same period, 1890, \$139,855,022. These Jacob, Ill.; 2 single machines to Walton and seek the information verbally. statements include 98 per cent. of entire There can hardly be any objection by a exports of the articles named from all

A MILWAUKEE PLANT.

OING through the immense Company, with its endless machines and hundreds of workmen, one would think there was not work enough in the world to keep it going, but it finds more work than it can do and is rushed day and night. The advent of electricity as a motive power has added greatly to its work and it Ky.; Reed & Carnrick, Bainbridge, N.Y. has orders ahead for any number of They report among work they are shipengines for electric purposes. The Allis ping at the present time: 3 double Airpeople estimate that 40 per cent. of all belt Scalpers, 5 double Air-belt Puri the engines they build now, drive fiers, 20 26" Flour Dressers to John electric generators. A 350 horse-power engine every day. That is the present capacity of the Allis works. It is safe to say that there are few machine shops in the world with anything like such a capacity.

JUNE CROP REPORT.

THE June report of the statistician of the Department of Agriculture, makes the area in winter wheat as compared with the breadth harvested last year 111.5; spring wheat 103.4; barley 107.1; rye 101.5; oats 97.9. Condition: Winter wheat 96.6; spring wheat 92.6; barley 90.3; rye 95.4; oats 85. In comparison with 1889 the increase in wheat acreage is quite moderate. The reduction last year of more than 2,000,000 acres suggests the reason for most of the present increase. This advance is therefore both replacement and developement, the former notably in Illinois, Missouri, Kansas and California, the than the anti-smokers; they have less latter in less degree in Washington, chest-inflating capacity; they are of Oregon, the Dakotas and in several ter- less bodily weight, and they are even ritories. The condition of winter wheat of less height. The muscular and has declined one point. The average of New York 96; Pennsylvania 97; Georgia 98; Texas 98; Ohio 99; Michigan of the anti-smoking. From an athletic 99; Kansas 95; California 97. The fessor of athletics considers himself first monthly statement of averages of spring wheat makes Wisconsin 77; Minnesota 89; Iowa 95; Nebraska 97; the Dakotas 96. Early sown wheat was injured by frost in Wisconsin and Minnesota. Germination was arrested by drouth in the same region. In South Dakota drouth has retarded growth. Conditions have been more favorable in North Dakota. Recent rains in Iowa and Nebraska have greatly benefited wheat and encouraged the growers.

TRADE NOTES.

NEEDHAM Bros., Ishpeming, Mich., M. B. Wells & Co., Waupun, Wis., O. Paulson, Clearmont, Iowa., W. L. & O. Churchhill, Alpena, Mich., R. D. Pike, Bayfield, Wis., D. J. Murray, Mfg. Co., Wausaw, Wis., have placed their orders with Menasha Wood Split Pulley Co., of Menasha, Wis., for Hickory Pulleys. The price of the Standard small Pulleys made by the Menasha Wood Split Pulley Co., has been reduced about one-half.

May 18.—The Jonathan Mills Mfg. Co. of Columbus, O., have just shipped Purifiers to the following parties:

Miles & Son, Frankfort, Ky.; a repeated order for two double machines to Acme Milling Co., Indianapolis, Ind.; 2 single machines to W. L. Kidder & Son, Terre Haute, Ind.; a repeated order for 3 machines to Goshen Milling Co., Goshen, Ind.; John Clee, Detroit, Mich.; Shumacher Milling Co., Akron, O.; R. F. Harris, Charlottesville, Va.; Stillwell & Bierce Mfg. Co., Dayton, O.; Wm. H. Snyder, Dayton, O.; a repeated order to The St. Jacob Enterprise Mill Co., St. Seymour, Fulton, N. Y.; a repeated port is about fifteen miles; from Lockorder for 2 machines to The F. Schu- port to Olcott, twelve miles."

macher Milling Co., Akron, O.; 9 Reels to Thos. M. Holt, Haw River, N. C.; 12 plant of the Edward P. Allis Reels to Rio Milling Co., Charlottesville, Va.; 5 to S. Bennett, Redbank, N. J.; 1 to Besser & Marvin, Marshall, Ill.; 1 to W. E. Brown, Sparta, Ill.; 1 single Air-belt Scalper to Yaeger Flour Mill Co., Carlinville, Ill.; to Barry Milling Co., Barry, Ill.; R. F. Harris, Charlottesville, Va.; Wm. Rathman, Uniontown, Dempster, Lenoir City, Tenn.

TOBACCO.

R. SEAVER of Yale College, is waging war upon the habit of tobacco smoking, which some of the students there indulge in. He is the physician of the college and the professor of athletics, a man of science who follows scientific methods in any investigation he may undertake. He has been engaged for eight years in observing the effects of tobacco smoking upon the bodies and minds of the Yale students, and he has just published a remarkable budget of statistics.

Dr. Seaver informs the public that the students of Yale who indulge in tobacco smoking are inferior in physical vigor and mental ability to those who do not. According to his reckoning, the smokers have less lung power nervous power of the smoking students is notably and noticeably less than that 90; Indiana 99; Illinois 98; Missouri point of view, therefore, the Yale projustified in waging war upon the tobacco habit.

Not only in a physical way, but also in an intellectual way, the Yale smokers are inferior to the anti-smoker. The smoking habit is disadvantageous to scholarship. Of those students who, within a given time, have received junior appointments above dissertations, only five per cent were smokers, and very few smokers received appointments of any kind. It would seem, therefore, that the brain power and the scholarship of the smokers at Yale are far inferior to the anti-smokers.

The demonstrations of Dr. Seaver appear to be influencing the Yale mind. He is able to report that seventy per cent of the senior class in the college do not smoke, that the leading athletes do not smoke, and that not a single candidate for the rowing crew is a

Young America, athletic, intellectual, and ethical, can ruminate upon the Yale statistics collected by Dr. Seaver. -New York Sun.

MORE NIAGARA WATER-POWER.

The Railroad Journal says: "The preliminary survey has been begun for a water-power canal which is to take water from the Niagara river at Tonawanda, near Buffalo, and to run thence to Lockport, where the projectors expect to utilize the power obtained from the fall. From Lockport it is to run to Olcott, where an additional fall will be obtained before the water is discharged into Lake Ontario. It is expected that some 250,000 H. P. can be obtained. & Whisler, Atlanta, Ind.; Gardner & The distance from Tonawanda to Lock-

OUR LEGAL DEPARTMENT.

Specially prepared for The United States Miller and Milling Engineer, from the latest decisions.

ENDORSMENT OF NOTE AFTER EXECU-TION. - A person, not a party to a negotiable promissory note, who places his name on the back thereof after its execution and delivery, before maturity and before it has been endorsed by the person to whom it is made payable, is, as to subsequent bona fide holders, an endorser of the paper.—Buck v. Hutchins, Supreme Court of Minnesota, 47 N. W. Rep. 808.

SUFFICIENCY OF EVIDENCE TO PROVE NEGLIGENCE.—In an action by an employe for injuries received from a belt negligently left uncovered near a machine at which he was at work, where he testifies that he was not sure whether he was caught on the belt or not, and none of his witnesses saw the accident, his case is fatally defective in that he does not show that his injuries resulted from his employer's negligence. The ground of liability is not danger, but negligence, and the test of negligence is the ordinary usage of the business.-Ford v. Anderson, Supreme Court of Pennsylvania, 21 At. Rep. 18.

COMPROMISE OF LITIGATION.—Where an effort is made to compromise complicated litigation growing out of connected series of transactions, and from the whole course of the negotiations, embracing various propositions and counter-propositions, it appears that the parties intended to include all matters of difference between them, the compromise ultimately reached will be held to embrace all the claims, though one claim was not specially mentioned in the proposition that was accepted.—Coburn v. Cedar Valley Land and Cattle Co., Limited, Supreme Court of the United States, 11 Sup. Ct. Rep. 258.

CONTRIBUTORY NEGLIGENCE.—Where an adult had worked about a saw-mill for nearly four years, and for about a year as helper to the sawyer at an "edger," and testified that on several occasions he had run the edger himself, by direction of his employer, after telling him that he did not understand machinery; that the saws were stopped and started at will by pulling respectively, two ropes which hung near; that the morning of the accident was quite dark but there were no lights; that he had been directed to run the machinery, and while doing so a sliver had dropped upon the shaft which he attempted to remove, as he had seen the sawyer do, without stopping the saws, and while doing so his sleeve was caught by the set-screw, of whose existence he was ignorant, and his hand was cut off. There was no evidence of negligence, but he was guilty of contributory negligence. -Ingerman v. Moore, Supreme Court of California, 25 Pac. Rep. 275.

LIABILITY FOR NEGLIGENCE.—Plaintiff while in the employ of defendants, working on a scow which received mud from a dredging machine, was injured by the careless management of the machine by defendant's employe who controlled it. There was evidence that the negligence of such employe was caused by his intoxication; that he had been intoxicated two or three times a week for nearly two years before the accident, during which time he had been employed by defendants, although their superintendent was frequently at the dredge during that time; and that plaintiff had seen him drunk on three occasions during the eight days of plaintiff's employment, but he did not report the facts to the defendants or leave the employment is to bring water out of the east side to Hennepin county.

FAILURE TO DELIVER TELEGRAPH MES-SAGE.—Where a telegram is sent by a wife, about to be confined, to summon ated, will cost about \$800,000. her husband, and by reason of negligent delay in delivery of 24 hours, he did not arrive, whereby the complainant alleges that she suffered more physical pain, mental anxiety and alarm on account of tion case of J. C. Stout against the Sidle, union with the Columbia, Galaxy and her condition, and sustained permanent and uncurable injury for want of his presence and services, such damages are not too remote. Mental suffering caused by negligence and delay in the delivery of a telegram not of a pecuniary nature, may be ground of damages, though no physical pain or pecuniary loss is suffered. Where a telegraph office had the sign of the defendant company over the operator at that point testified that he paid over all receipts to the treasurer of said company, the office is an office of the company. The stipulation on a telegraph blank against liability for an unrepeated message does not protect the company where such message is negligently delayed in transmission. If such stipulation has any validity at all, it is only in case of a mistake in transmitting, and then only when the negligence is slight.—Thompson v. Western Union Tel. Co, Supreme Court of North Carolina, 12 S. E. Rep. 437.

IMPLIED GRANT OF WATER RIGHTS. The owner of certain mills had also title to a pond, from which water was carried to them through a flume. Under an agreement with other mill-owners he acquired an interest in a reservoir for the storage of water, which was allowed to ing was presented to the Chamber of C. Stout received a set back in his inflow to the pond as required. This inter- Commerce on the 10th inst., by about junction case against the Sidle-Fletcherest was by the agreement declared appur- 70 members, men in active business Holmes company, in which he sought tenant to and forever inseparable from about the chamber. The presentation to have the corporation permanently the mills and the water privileges con- took place at the monthly meeting of enjoined from going in on the new nected therewith, which were charged, the Board of Directors. Following is flouring mill consolidation scheme. in whosesoever hands they should the letter accompanying the portrait: come, with a share of the cost in maintaining the reservoir. The owner conveyed the mills, but not the pond, the deed granting the right to draw water from the latter through a six-inch pipe as long as the pond should be continued. This deed contained the usual covenants of title, including one against incumbrances. At the same time the owner leased to the grantee for 20 years, all the water in the pond, to be used for manufacturing purposes through the flume leading to the mills, at an annual rental of one dollar, which was duly paid during the term of the lease. The water from the pond or a like quantity from other sources, was necessary to the operation of the mills. The term of the lease having expired, the grantee claimed the right to use the water from the pond and reservoir as theretofore, as an easement created by implied grant, Under the deed no rights in the waters of the pond or reservoir passed by the deed except those expressly mentioned, and at the end of the term of the lease, the grantee's rights in the waters ceased if the pond should be discontinued, and were limited to the flow through a sixinch pipe should the pond be maintained.-Washburn & M. Mfg. Co. v. Salisbury, Supreme Judicial Court of Massachusetts, 25 N. E. Rep. 724.

MINNEAPOLIS NOTES.

HE PILLSBURY - WASHBURNE milling syndicate contemplate of Tenth Avenue, south. The purpose defendants secured a change of venue

on that account. It was a question for channel and furnish an additional head the jury whether the plaintiff as well as of 30 feet at that point, thus adding Sidle-Fletcher-Holmes company, owndefendants was charged with negligence, largely to the manufacturing possibiland a dismissal of the complaint was ities at the falls. According to the prein error.—Tonneson v. Ross, Supreme liminary estimates of the engineer, the mill and its furnishings to the consolid-Court of New York, 12 N.Y. Supp. 150. improvements could be completed in a ated company, and prays for an injuncyear. The dam will be a heavy stone tion against the company and its offistructure, and all complete, it is estim- cers, Fred C. Pillsbury, John Martin,

> plaintiff and defendant, a change of from making the transfer. He asserts venue was granted June 4, from Ramsey to Hennepin county, in the injunc- has property worth over \$400,000. The Fletcher, Holmes Co.

Francis B. Webster, aged 76 years, died suddenly on the 5th inst., at the residence of his son, Edward E. Webster, manager of the Holly flour mill.

THE Northwestern Consolidated Milling Company of Minneapolis has filed a certificate of incorporation signed by John Martin, Fred. C. Pillsbury, Chas. K. Sidle, Albert C. Loring and Ernest Zeidler, all of Minneapolis.

THE great Minneapolis mill combination was blocked by an injunction from the St. Paul District Court, restraining them from consolidating.

C. T. and J. C. Buchanan, doing business as the Shakopee Mill Company, assigned to Charles G. Hinds, on the 12th inst. Liabilities, \$37,500; nominal assets, \$60,000.

JUDGE NELSON granted to Fred O. Crary, of Hudson, Wis., a temporary injunction, restraining the Sidle-Fletcher-Holmes Company, in which he owns stock to the amount of \$5,000, from ness of the corporation was caused mainly entering the milling combine. A hearing of the matter is set for June 23 in the books for the purpose of proving it. the United States Court, at St. Paul.

A LIFE-SIZE portrait of Chas. M. Lor-To the Board of Directors of the Chamber of Commerce

The undersigned, members of the Chamber of Commerce, desiring to show their appreciation of the great worth and eminent services of the Hon. C. M. Loring, as president and director of this institution for many years, herewith present to the organization through you, an oil painting of Mr. Loring, asking you to kindly place same in a suitable location in the directors' room of the Chamber

There is a speck of war springing up between A. G. Mosher, city sealer of weights and measures, and some of the elevator men in regard to the weighing of grain. Under the provisions of existing ordinances Mr. Mosher is compelled to exercise supervision over the scales used in weighing grain at the elevators. The state law also provides for the inspection of all scales used by the grain dealers, who foot the bills for such inspection. Owing to this conflict of jurisdiction the elevator and grain men are called upon for more inspection fees than they think should be demanded of them, and will appeal to the council on Friday evening for re-They are perfectly willing to pay one fee for inspection either to the state or city, but regard a double dose as too much of a good thing.

THE big injunction suit of James C. Stout, against the officers of the Sidle-Fletcher-Holmes Company, that snag in the organization of the Consolidated Flour Mill Company, was before Judge Lochren on June 8. The suit was originbuilding a new dam at the foot ally begun in Ramsey county, but the

Jas. C. Stout, a stockholder in the ing 400 shares valued at \$50 each, is decidedly opposed to the transfer of the Chas. T. Fox, Chas. K. Sidle, H. G. Sidle Upon stipulation of counsel for the and Jas. W. Lawrence, to restrain them that the mill is a paying concern and Petit mills he holds is undesirable and of no benefit to the stockholders. In fact he deems it an exceedingly hazardous step, from a financial point of view, to change the existing order of things. He as a stockholder has never given his consent to the consolidation but has opposed it entirely. Moreover, he asserts that the officers of the company have no authority to convey the property of the Sidle-Fletcher-Holmes company to the The complaint and consolidation. answer are both very long and are ornamented with a wealth of legal terms. The answer, in brief denies that the concern is a paying one and is worth \$400,-000, and asserts that the consolidated scheme is desirable in every way, and is agreeable to all the stockholders except the plaintiff, Mr. Stout.

The case came up on a motion by the plaintiff to have the action continued, in order that he might have expert bookkeepers go over the books of the company. His claim is that the indebtedby gambling in wheat, and he wants

The motion was denied.

In the district court, June 9, James After hearing all the arguments for and against the temporary injunction, issued some days previous, Judge Lochren ordered it dissolved, granting, however, a stay of 24 hours, in which time Mr. Stout may file an appeal bond in the sum of \$86,000.

The industrious country grain dealer is working a novel scheme whereby a relatively high price is received for low grade barley. This is worth something like 1c. per fb. on the market, or around 60@62c. per bu., while oats are selling at 11c. per lb. or better. A quantity of cheap barley is mixed carefully with a much larger quantity of oats, and upon its arrival sells as oats, hence the barley whose identity is thus lost, commands the oat price on the 32-fb. basis.—Cincinnati Price Current.

June, July and August.

The most charming Summer Resorts, of which there are over three hundred choice locations, are to be found in Wisconsin, Iowa, Minnesota, South Dakota and the Peninsula of Michigan, along the lines of the Chicago, Milwaukee & St. Paul Ry. Nearly all are located near lakes which have not been fished out.

These resorts are easily reached by railway and range in variety from the "full dress for dinner" to the flannel-shirt costume for every meal.

September and October.

The finest shooting grounds in the Northwest are on and tributary to the lines of the Chicago, Milwaukee & St. Paul Ry. The crop of Prairie Chickens will be exceptionably good this year; also Ducks and Geese. In Northern Wisconsin and the Peninsula of Michigan splendid Deer shooting is to be had.

Full information furnished free. Address, GEO. H. HEAFFORD, Gen. Pass. Agt., Chicago, Ill.

THE RIGHT TO REPAIR PATENTED ARTICLES.

E HAVE heard the question repeatedly raised by railroad men of late: Can we have patterns made to renew the parts of broken car-couplers without entee? This matter has been definitely settled in the courts in relation to other patented devices. The rule laid down by the United States court is: "Where a patent covers as an entirety a machine composed of several separate and distinct parts, the purchaser of such machine from the patentee will not infringe by replacing such parts as wear out, as often as necessary, so long as the identity of the machine is retained. But if the patent is for a separate and distinct element of the combination, a purchaser will infringe by replacing such element."

This means that if the knuckle, for instance, should be the only patented part of a coupler, or, if it should be covered by a separate patent, it would be illegal for a railroad company, or an agent acting for them, to make new knuckles; but if the knuckle is merely a part of the patented coupler, new ones may be made for repairs without study out from the description what infringement of the patentee's rights. In cases where the railroad companies can legally make pieces to repair a patented article they are at liberty to emor any one in its employ, is under no him mail his letter for further informaobligation to use the same kind of materials in repairing as were used in the original manufacture, and these may be replaced by better materials.—National Car and Locomotive Builder.

IDEAS ON MACHINERY ADVERTISING.

UPERIOR mechanism and systematic and persevering methods of advertising are the essential elements for the attainment of the greatest success in the machinery business.

I have in my mind one concern which grew from a very small beginning to its present greatness in a few years through the application of these adjuncts. Not one of its customers has ever seen a representative or drummer offering its productions, for they are sold only through the influence of the newspapers and trade journals. This is the age for "something new," and the master spirit guiding the mechanical department is alert to find out the wants of the possible customer. The merits of new machines also need to be presented through effective and thorough advertising. My argument

ant to dress the machine with colors versal peace and the furtherance of and stripes to please the eye. Now the substantial and material progress than machine that does the best work is the all the acts of Parliament and Conone that sells the best, and rarely is one gress, or the standing armies of the seen with other than an ordinary coat continent duplicated. The united of steel colored paint. This change effectiveness of advertising. It was thought that the additional expense of fancy painting could be done away with, the labor and expense saved, and the money invested in advertising. In have just arrived in this country. time the public became convinced that Without doubt their errand is to spy paint was not so desirable a feature, out the nakedness of this used-up old after all; what was wanted was ma- land-at least, in the matter of imsecure the highest efficacy.

do; not many. Sellers of most goods fitted with much of the best machinery have buyers of some kind at all times. Their eyes can be caught by an advertisement worded with special attractiveness; but the man who wants a machine for a certain purpose must have it brought to his notice in the shape of a obtaining permission from the pat- handsomely engraved cut displaying its valuable points. The better the cut, the quicker the perception of its usefulness is reached. The machine must have value or the advertisement

> There are many machinery buyers who have some slight knowledge of machinery, but who have made their money in other business than the one they expect to engage in. With them, too, comes the value of a superior engraving. They are impressed with the quality of the work and the skill required in its execution; thus the first attack is won.

The next is a description stripped of all unnecessary verbiage, written so plainly that a child of passing understanding can almost realize the machine in actual operation. It must be shown in its best light and position, with the parts numbered or separately shown; this appeals to that sense of desire to lack of comprehension they may have of it. Then comes the correspondence to sell it. That is strictly office work and not in the advertising line. To bring ploy other manufacturers to do the work, the customer to the office or to have tion is where the advertising man stops. Of course, it is understood a conspicuously displayed advertisement cannot by any means be overlooked. It is just as much required as a printed letter-

> Reading notices which are adroitly written and compactly worded assist towards securing correspondence. By all means bring the "something new" forward at every opportunity and hit the nail hard, not once, but often, to drive it home. While admitting that all men have not the special aptitude for getting the best returns through the medium of newspaper circulation, there can still be a decided improvement are not satisfied with the price they get shown by the machinery builders in their advertising. We all agree that the advertising man is the mainstay of a growing business, and his connection with it becomes so close that he is not to be classed with the ordinary clerk. -James T. Brown, in Printer's Ink.

BRITISH SENTIMENT.

The Liverpool Corn Trade News, remarking on an entertainment of the American millers in that city, said: is, that both the mechanic and the "An occasional exchange of hospitaliadvertising man must display more ties by the various branches of comthan ordinary experience and intel- merce and manufacture between the ligence to bring forth the best results. two great English-speaking people, In days past it was thought import- would do more in the interest of univoice, wealth and resources of the hunwas wrought entirely through the dred million English-speaking people would hold the brawling nations of the world spellbound."

A LARGE number of American millers wood or iron working machines. Some proved, and some of them have been pig feed, or purposes other than for rock.

and most recently discovered advantages that skill and long-tried experience could suggest. Thus, even in Scotland, we can show some recent developments in milling enterprise which, though we hardly expect that they will make an advanced American miller open his eyes wide with astonishment, should at least moderate their contemptuous feelings for our puny, one-horse affairs compared with their magnificent milling concerns. Perhaps if our American milling cousins did not get their splendid water-power so cheap they would hardly be able to bounce so much about their large flour factories. Still, if our millers are unable to show them extensive ranges of granaries and buildings, often ten or twelve stories in height, perhaps they may be able to show them some samples of their make of flour which the Yankees will find it difficult to beat in color or quality or silkiness of dress. In any case, we trust the American millers will thoroughly enjoy their trip. We can show them famous cities and old historic scenes. They have nothing of this character in all the surrounding vastness of their boundless prairies, or amid the raw and unfinished urban centres where heterogeneous populations cluster together. We suppose a good many of the party, especially if they are accompanied by their lady kind, will not fail to replenish their stock of toggery with two or three suits of new clothes, and save as much on the Custom-house duty which they will shirk the payment of as about cover the whole cost of their trip. If they could so arrange their tariff as to ensure a similar bounty to travellers from this country visiting America, a good many of us would be quite willing to return the visit in the fall of the year .-British Baker, Confectioner and Purveyor, London and Glasgow.

THE people who live in this golden age have much reason to be thankful for the abundance of all kinds of food at very moderate prices. If farmers for their wheat, the people, at least, have no cause to grumble at its dearth. And not only is flour to be had at reasonable figures, but the quality, generally speaking, is exceptionally fine. In color, flavor, and nutritious qualities the flour and the bread placed within the reach of the poorest as well as the richest in the land, were surely never surpassed in the history of flour-milling and bread-baking. Time was, in some parts of England, at least, when there was an inducement to vamp up inferior qualities of flour with alum or other deleterious substances; but such is not now the case. Low grades of flour, even of good quality, are not readily sold, nothing but the "pick of the pack" being usually wanted. Flour that has in any way been injured in quality by accident or otherwise can scarcely be disposed of for any purpose ster Town Council, the Health Committee reported the seizure of 418 sacks of flour at the railway station, and its condemnation as being unfit for human food. It seems that the flour had been temporarily placed in a shed in the railway yard, near where the manufacchinery to do its work in a manner to proved milling appliances. Within ture of artificial manure is carried on. the last few years, however, our larger The owners, however, are to be per-All readers of newspapers do not buy flour mills have been considerably im- mitted to use the flour for dog biscuits, the cement, and it becomes like solid

American Steam Gauge Co.

-SOLE MANUFACTURERS-

Bourdon Steam Gauges

WITH LANE'S IMPROVEMENT.

THOMPSON'S Improved

Indicator

Over 2,500 in Use.

AMERICAN POP SAFETY VALVES

For Locomotive, Stationary and Portable Boilers, and Instruments Inciden-tal to the use of Steam. Send

for Price List I.

36 Chardon St., BOSTON, MASS.

Send for Catalogue K.

human consumption, and we presume that they will have a good claim against the railway company for any loss in consequence.—British Baker, Confectioner and Purveyor.

The following appears in Digest of Decisions of the Commissioner of Patents and of United States Courts:

Word "Vienna" as Trade-Mark for Flour.—The word "Vienna" declared entitled to registration as a Trade-Mark for flour, it appearing that no flour made in any town called "Vienna" in this country has been placed upon the' market under the name of "Vienna;' that no flour is upon this marked coming from Vienna, Austria; that th word was arbitrarily selected by the petitioner, and that it is the custom in the flour trade to use fanciful names to designate flour, rather than the names of places of production.

Same—Foreign Commerce as a Basis of Registration.-While the fact that flour from Vienna, Austria, is not on sale upon this market would not of itself authorize registration, when foreign commerce is invoked as a basis of registration, it does not appear in the present case that flour from Vienna, Austria, has any reputation in the markets of the world or that the word 'Vienna" would indicate to a purchaser that the flour upon which it was used came from that city.

THE REACH AND SCOPE OF INTELLECT.

-Every man is fitted to fill some position of importance. Every man's mind is more or less expansive, more or less reaching, more or less comprehensive The man who loves his profession al ways possesses an inquiring mind; he is judiciously inquisitive; he guides his inquisitiveness in the line of his profession; he is a learner and a teacher. If he becomes a mark among men, the mark is always in proportion to his success. If he confines his investigations to a scientific line, he discovers and applies the truths which govern his operations. This makes him a successful man; if a farmer, he is ready for all emergencies, he succeeds because whatever; it mostly has to be used up he understands nature's laws and her in some cattle-feeding mixture. Just demands. His crops are always fair, lately, at a meeting of the Kiddermin-ster Town Council the Health Commit-and he flourishes like a green bay tree.-Ex.

A GERMAN engineer has devised a new method for fixing a foundation under water. By means of a powerful blast of compressed air he drives powdered cement down into the sand or mud at the bottom of a stream. The action of the water immediately fixes

MANUFACTURING SITES FOR SALE!

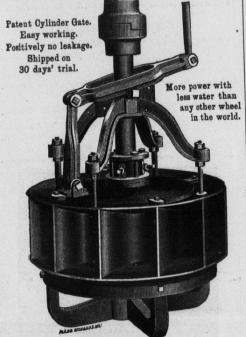
The undersigned owns a few of the best manufacturing sites in the city of Milwaukee, adjoining those now occupied by the Milwaukee Car Wheel and Foundry Co. and the magnificent plant of the Fuller-Warren Stove Works which cover nearly ten acres of ground. Best of railroad facilities. Parties desiring a suitable location should investigate this. Address,

E. HARRISON CAWKER,

36 & 37 Loan & Trust Building.

MILWAUKEE, WIS.

THE IMPROVED WALSH



MANUFACTURED BY B. H. & J. SANFORD

SHEBOYGAN FALLS, WIS,

For special figures mention this paper.

MILWAUKEE STENCIL & STAMP WORKS

The Oldest and Most Reliable Stamp Works in the Northwest.

FLOUR BRANDS,

RUBBER STAMPS, Seals, Burning Brands, Advertising Plates, Steel Letters and Figures, Badges, Door Plates, Checks, Type, Inks, all colors, Name Plates, Stencil Dies and Outfits, Gold Pens Repointed, etc.

CHAS. H. CLARKE,

Letter Cutter, Engraver and Die Sinker.

For 20 years on cor. E. Water & Wisconsin Sts..

Box 114.

MILWAUKEE.

Some eastern millers are making war on grocers for selling outside flour when it can be had at lower prices than local flour. They evidently do not consider that they do business on a very similar plan themselves, whenever an opportunity presents itself. While generally nity presents itself. While generally in the real estate line call on or write in the real estate line call on or write and local of the convince anyone that sees these lots that they are sold at very low prices. If you want anything in the real estate line call on or write and local at very low prices. If you want anything in the real estate line call on or write and local at very low prices. If you want anything in the real estate line call on or write and local at very low prices. If you want anything in the real estate line call on or write and local at very low prices. If you want anything in the real estate line call on or write any local at very low prices. If you want anything in the real estate line call on or write any local at very low prices. If you want anything in the real estate line call on or write any local at very low prices. If you want anything in the real estate line call on or write any local at very low prices. If you want anything in the real estate line call on or write any local at very low prices. If you want anything in the real estate line call on or write any local at very low prices. Heads and lot 40x150, on Eighteenth Street. House and lot 40x150, on Eighteenth Street. Ho ground of economy, and the miller who would hesitate to purchase wheat outside, if by so doing he could secure better grain, or buy at a lower figure, would | bbls. be very difficult to find. Then again, it is not an unusual thing for them to offer their surplus flour at cost or even below cost in wholesale centers, and they sometimes job it out to outside grocers at less than home prices. In this way they are often the means of inflicting the same injuries upon other millers as those of which they make such loud complaint. If, instead of protesting, these millers would advertise their brands more, they might obviate the difficulty to a great extent, provided the flour is kept up to a desirable grade and offered at reasonably low figures. - Grocer and Country Merchant.

INTEREST FOR SALE.

DOUDIC TUIDING WALSH

NILL SELL or take partner in a 100-barrel steam flouring mill, fitted with the best and latest improved machinery, situated in the best wheat belt of Nebraska. Does a very large exchange business. Has side track which facilitates shipping and gives excellent opportunity for conducting elevator business. Has a large cash trade, and is located so as to control flour market of Northwestern Nebraska, Northern Wyoming and Southern Dakota. Address, KLOMAN & ARNOLD.

KLOMAN & ARNOLD, BROKEN BOW, NEB.

FOR SALE-In Genesee Co., N. Y.

PIECE OF MILL PROPERTY, 25 acres, two houses, with a twenty-two foot fall of continuous, unfailing spring water supply. This property is within a few rods of the West Shore Railroad and in a great custom business vicinity. Will advance money to rebuild on small payment. For particulars address,

T. CARY, BATAVIA, N. Y.

HALF INTEREST IN ROLLER MILL.

FOR SALE-One-half interest in a full roller mill, 50 barrels capacity, located in railroad town of 500 population, doing a splendid business and making money. Best of reasons given for selling. An excellent chance for a practical miller with small capital. Address,

W. E. WELLS, Lock Box 173, BIRDSEYE, IND.

A BIG SNAP.

To close out a partnership, we offer for sale our 50-barrel Richmond City Mill Works' short system roller mill, located at Mitchell-ville, Tenn., and enjoying good exchange trade. Two members of the firm engaged in other business is the reason for selling. Write for full description. Reduced R. R. fare on July 4. Address,

W. H. BLAKELEY & CO.,

BOWLING GREEN, KY.

A. B. MYERS,

371 Broadway.

SECOND MILLER WANTED.

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RECENT MILLING PATENTS.

The following list of Patents for Milling and Grain Handling Appliances, granted in May, 1891, is specially reported for the UNITED STATES MILLER AND MILLING EN-GINEER by H. G. Underwood, Patent Attorney and Solicitor, No. 107 Wisconsin St., Milwaukee, Wis., who will send a copy of any patent named, to any address for 25 cents. No. 451,542, Dust-collector, Rama R. Wat-

No. 451,542, Dust-collector, Rama R. Watters, Akron, Ohio.

No. 451,543, Dust-collector, Rama R. Watters, Akron. Ohio.

No. 451,580, Grain-scourer, Charles Rippin, St. Louis, Mo.

No. 451,670, Attachment for fanning-mills, John Herson. Port Huron. Mich., assignor to Sidney Cole, William H. Burgess, Frank McKenney and James H. McKenney, all of Croswell, Mich.

No. 452,065, Grain sieve, John S. Rowell and Theodore B. Rowell, Beaver Dam, Wis.

No. 452,191, Frame for Conveyer-belts, Revilo Oliver, Chatsworth, Ill.

No. 452,434 Grain-scourer, Allen C. Branthingham, Winfield, Kans.

No. 452,581, Separating-machine, Orville M. Morse, Jackson, Mich.

No. 452,581, Separating-machine, Orville M. Morse, Jackson, Mich.

No. 452,702, Mill-race fender and screen, Rowell M. Millershurg, Po.

No. 452,702, Mill-race fender and screen, Phares R. Grabill, Millersburg, Pa., assignor of one-third to John R. Grabill, same place. No. 452,812, Bolting-reel. Ferdinand P. Traut-

wein, Lutesville, Mo. No. 452,958, Composite-Millstone, Thomas L.

Sturtevant, Framingham, Mass., assignor to the Sturtevant Mill Company, Boston,

Mass.
No. 452,959, Composite-Millstone, Thomas L.
Sturtevant, Framingham, Mass., assignor
to the Sturtevant Mill Company, Boston,

No. 453,068, Grain-meter, Lincoln L. Sharp, Douglas, Nebr.

THEORY AND PRACTICE.—No expression is more common among mechanics, than, "The thing is all right in theory, but when it comes to apply it to practice it won't work." The fact is, that if the theory of a thing is all right, and that theory is correctly applied in practice, it will surely work, and when a thing fails to work, either the theory or the practice, or both, are wrong.

When the theory of a thing has been developed as far as it seems possible to develop it, and it seems to stand the test of mathematics and of all the other sciences which can be brought to bear upon it, including that which has its final expression upon the drawing board, and still the machine or process, when actually tried, fails to work, the temptation is strong, as we well know, to declare that the thing is perfect in theory but that practically it will not work. It is the frequency of such expressions, no doubt, more than anything else, which has created the very general feeling among practical mechanics, of distrust if not contempt, for what they call the "impractical theorizers," and the belief that mere theory is of no account whatever; whereas, as a matter of fact, correct theory has been in the past, is now, and probably will continue to be, of the greatest importance in the development of the science and practice of mechanics.

It is to be considered that practice is by no means perfect, and the "practical man" needs to remember this when disposed to blame theory for the failures otherwise unaccounted for. No one has ever yet seen a perfect shaft, or gear or screw, and it is not probable that any one ever will, while it is probable that many theories regarding mechanics are much nearer perfection than practice will ever get.

When correct practice is based upon correct theory in the building of any machine, that machine will be correct, and will work correctly, and when the practice is known to be correct, and the machine will not work correctly, then it cannot be correct in theory. Neither a machine nor anything else can be correct in theory and wrong in practice. American Machinist.

ALL persons desiring to reach the entire milling and grain trade of America, by circular or otherwise, should obtain a copy of CAWKER'S AMERICAN FLOUR MILL AND GRAIN ELEVATOR DIRECTORY FOR 1890-91.

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from its past record can more than assure its patrons speed, comfort and safety. Tickets on sale everywhere, and see that they read C. H. & D., either in or out of Cincinnati, Indianapolis, or Toledo. E.O. McCORMICK, General Passenger and Ticket Agent, Cincinnati, Ohio.

BOMBARDED THE TOWN.—Three years ago, says a Kansas City correspondent CHICAGO and of the Chicago Times, Henry Singleton, aged 50 years, with an intellectual cast of countenance, but with an eye which showed instability of mind, went to Seneca, Kas., and bought the old flour mill flour, although the engines were often heard running, but lived in the mill, admitting no visitors, and explained that he was making a flying machine. The impression that the fellow was a harmless crapk was dispelled last night when he commenced a bombardment of the town.

At 11 o'clock, one day, L. L. Haggard was sitting in front of Hotel Cameron, when a crash was heard on the roof, and a round missile rolled down and struck him in the abdomen. Immediately another crash was heard across the street, and a fusilade was kept up, balls of burnt clay weighing five pounds striking every half minute and doing considerable damage in the west end of the town. Men armed with revolvers and shotguins started for the old mill and soon captured the man. The balls of which 800 were found ready for use, were thrown by a powerful and ingeniously-made steam catapult which carried a distance of a mile. The catapult has been viewed by hundreds of people to-day. On Singleton's person was a manuscript story in which he (the hero) is represented as conquering various cities with his engine of war. The man is in jail awaiting legal | Mil

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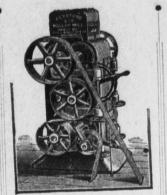
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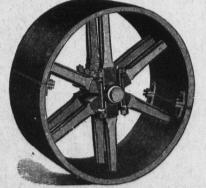
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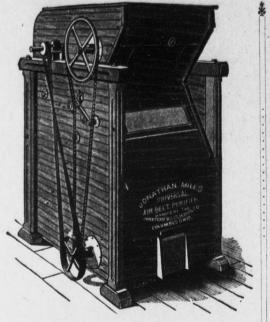
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Gentlemen—You will find enclosed check for \$\frac{3}{2}\$..., which we cheerfully send you.

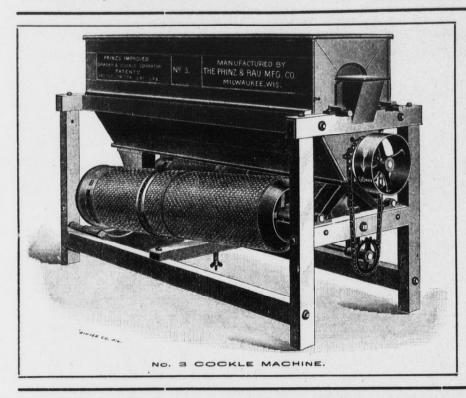
The Purifler more than meets our expectations, does much better work than we had any idea it would. Our Mr. Lockerbie wrote you a few days ago, and if you will give us the same guarantee on that stock that you did on the other, please send the Machine along at once, as we connot afford to be without it. Yours truly,

JACOR AMOS.

JACOB AMOS.

THE JONATHAN MILLS MFG. CO.

GOLUMBUS, OHIO, U. S. A.



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WAS CHOSEN.

WITNESSETH:

THE BRADFORD MILL CO., Cincinnati Ohio:

AKRON, OHIO, September 23, 1890.

Gentlemen-Mr. Clark has just given me his order for the Dunlap Bolt, and wants it shipped as soon as possible. Make up and ship with the Bolt a Conveyor as per enclosed sketch. Respectfully. FRANK E. NEAR.

OFFICE OF THE SEIBERLING MILLING CO. THE BRADFORD MILL CO., Cincinnati, Ohio:

AKRON, OHIO, September 27, 1890.

Gentlemen-Yours of yesterday received, and I wired you this morning "yes," as per your instructions. The sketch is all right. Make the Conveyor good and strong.

I told Mr. Near that he need not have cloth sent with the Dunlap Bolt. as I have the one here that was used in the test. I will use same numbers on Respectfully, the new machine. JAS. F. CLARK.

EVBBEI

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